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UNITED STATES DISTRICT COURT

DISTRICT OF OREGON

KELSEY CASCADIA ROSE JULIANA;
XIUHTEZCATL TONATIUH M., through his
Guardian Tamara Roske-Martinez; et al.,

Case No.: 6:15-cv-01517-AA

Plaintiffs,

**PLAINTIFFS' SUPPLEMENTAL
OBJECTIONS TO DEFENDANTS'
EXHIBITS**

v.

The UNITED STATES OF AMERICA;
DONALD TRUMP, in his official capacity as
President of the United States; et al.,

Defendants.

I. INTRODUCTION

Plaintiffs respectfully submit their supplemental objections to Defendants' Exhibit 651, which is a Federal Rule of Evidence ("FRE") 1006 Summary Chart of Congressional Hearing Reports, and to the Congressional Hearing Reports (Def. Exhibits 1171-1248, 1250-1273, 1275, 1277, 1279-1285, and 1287-1616)¹ identified in **Appendix A**, attached hereto. These objections are supported by the attached declaration of Andrea K. Rodgers ("Rodgers Decl.") and are intended to supplement Plaintiffs' Objections to Defendants' Exhibits filed with the Court on October 19, 2018. Doc. 400. Plaintiffs reserve the right to amend or modify any of the objections set forth herein and in Appendix A on the basis of any stipulation entered into by the parties; corrections, revisions or other modifications to the underlying exhibits or FRE 1006 Summary Chart; any order from this Court on outstanding motions; and any ruling from this Court with respect to admissibility.

II. STATEMENT OF RELEVANT FACTS

Because Defendants have listed both the FRE 1006 Summary Chart (Def. Exhibit 651) and the Congressional Hearing Reports (Def. Exhibits 1171-1248, 1250-1273, 1275, 1277, 1279-1285, and 1287-1616) on their Exhibit List (Doc. 396-1), Plaintiffs presume that Defendants intend to introduce *all* of these exhibits into evidence at trial. Plaintiffs note that Defendants have already sought judicial notice of the underlying Congressional Hearing Reports, Doc. 375, and, thus, Defendants appear to intend to introduce these exhibits to prove the truth of the contents of some unidentified statements or material within the Congressional Hearing Reports. Doc. 368

¹ Plaintiffs are not objecting to Defendant Exhibits 1249, 1274, 1276, 1278, and 1286 as these Congressional Hearing Reports are also on Plaintiffs Exhibit List as Exhibits P-576, P-16, P-91, P-1300, and P-485, respectively. Because these exhibits appear on both parties' exhibit lists, Plaintiffs presume that Defendants will withdraw their objections to Plaintiffs Exhibits P-576, P-16, P-91, P-1300, and P-485.

(quoting *Vesta Corp. v. Amdocs Management Ltd.*, 129 F.Supp.3d 1012, 1021 (D. Or. 2015) (“When the court takes notice of a public record, including websites, it does so ‘not for the truth of the facts recited therein, but for the existence of the [record] which is not subject to reasonable dispute over its authenticity.’”). Defendants have not identified those portions of the Congressional Hearing Reports they believe are relevant to the defenses they assert in this case and what, if any, hearsay exceptions apply. Thus Plaintiffs are forced to object to the admissibility of all of the Congressional Hearing Reports (Def. Exhibits 1171-1248, 1250-1273, 1275, 1277, 1279-1285, and 1287-1616) for the reasons set forth below and in **Appendix A**, attached hereto.

III. ARGUMENT

The Ninth Circuit has recognized that, when documents are voluminous, a summary of the documents is permitted, if it meets the requirements of FRE 1006. *United States v. Aubrey*, 800 F.3d 1115, 1130 (9th Cir. 2015). FRE 1006 provides:

The proponent may use a summary, chart, or calculation to prove the content of voluminous writings, recordings, or photographs that cannot be conveniently examined in court. The proponent must make the originals or duplicates available for examination or copying, or both, by other parties at a reasonable time and place. And the court may order the proponent to produce them in court.

Fed. R. Evid. 1006. The district court has the discretion to admit summary evidence under FRE 1006. *United States v. Anekwu*, 695 F.3d 967, 981 (9th Cir. 2012). In order for an FRE 1006 summary to be admitted into evidence, “the underlying materials upon which the summary is based (1) are admissible in evidence and (2) were made available to the opposing party for inspection.” *United States v. Rizk*, 660 F.3d 1125, 1130 (9th Cir. 2011). “The availability requirement ensures that the opposing party has ‘an opportunity to verify the reliability and accuracy of the summary prior to trial.’” *Id.* (quoting *Paddack v. Dave Christensen, Inc.*, 745

F.2d 1254, 1261 (9th Cir. 1984)). For an FRE 1006 summary to be admissible, “it must be shown that the summation accurately summarizes the materials involved by not referring to information not contained in the original.” *Pritchard v. Liggett & Myers Tobacco Co.*, 295 F.2d 292 (3d Cir. 1961) (citations omitted).

The Underlying Congressional Hearing Reports (Def. Exhibits 1171-1248, 1250-1273, 1275, 1277, 1279-1285, and 1287-1616) Are Inadmissible

Plaintiffs object to the admissibility of Congressional Hearing Reports identified as Def. Exhibits 1171-1248, 1250-1273, 1275, 1277, 1279-1285, and 1287-1616. The specific objections are provided in **Appendix A**, attached hereto, and include: relevance (FRE 401, 402), cumulative evidence (FRE 403), lack of personal knowledge (FRE 701), improper expert opinion (FRE 702), and multiple layers of hearsay (FRE 801, 802). The Congressional Hearing Reports contain out-of-court statements from multiple parties, many of whom are not affiliated with Defendants (i.e. third parties) and are not identified on Defendants’ witness list as fact or expert witnesses. As such, Plaintiffs would have no opportunity to cross-examine these individuals at trial. In light of these circumstances, it would be inappropriate for Defendants to cherry pick unidentified statements from the Congressional Hearing Reports to prove the truth of the matter asserted. FRE 701, 702, 801, 802. Because the Congressional Hearing Reports themselves are not admissible, the FRE 1006 summary chart summarizing these reports should not be admitted into evidence. *United States v. Rizk*, 660 F.3d at 1130.

Defendants Did Not Timely Produce the Congressional Hearing Reports

Defendants did not identify or produce any of the Congressional Hearing Reports in response to Plaintiffs’ discovery requests, even though they were asked to produce all documents relevant to the defenses Defendants intend to assert at trial. Rodgers Decl. ¶ 3-5; Doc. 388 (Plaintiffs’ Motion to Compel Responses to Interrogatories). Further, Defendants did not identify

or provide Plaintiffs with copies of the Congressional Hearing Reports until October 16, three days before objections to exhibits were due to be filed in this Court. Rodgers Decl. ¶ 5.

Moreover, Defendants have not indicated the purpose for which the Congressional Hearing Reports (or relevant parts thereof) or the FRE 1006 Summary Chart will be offered into evidence. As such, Defendants' FRE 1006 Summary Chart and the Congressional Hearing Reports should be found to be inadmissible. *Deckers Outdoor Corp. v. Romeo & Juliette, Inc.*, 2017 WL 5634993, *3 (C.D. Cal. 2017) (granting motion *in limine* to exclude FRE 1006 summary because the party "failed to disclose the underlying documents as required by FRE 1006").

Defendants Do Not Accurately Summarize the Congressional Hearing Reports

Congressional Hearing Reports are not the type of "voluminous writings" that are suitable to be summarized for purposes of FRE 1006.

First, the Congressional Hearing Reports are made up of several types of information from several different sources on several different topics. For example, Defendants' Exhibit 1305 contains statements from members of the House Subcommittee on Economic Policy, Trade and Environment, as well as testimony from representatives of Natural Resources Defense Council, World Wildlife Fund, National Association of Manufacturers Global Climate Coalition, the Stockholm Environment Institute, and fossil-fuel industry funded climate change "skeptic" Patrick Michaels. None of these individuals (or representatives of these organizations) have been identified as witnesses on Defendants' Witness List. On many occasions, simply because of the nature of Congressional Hearing Reports, the documents contain conflicting information from the various sources, thereby making it extremely difficult to provide a full and accurate summary

of the contents of the reports. *See, e.g.* Def. Exhibits 1305; 1322; 1328; 1331; 1344; 1347; 1350; 1414.

Second, many of the summaries Defendants have drafted are inaccurate, incomplete, or mischaracterize the contents of the Congressional Hearing Reports. *See e.g.* FRE 1006 Summaries for Def. Exhibits 1449 (including an inaccurate description of Carbon Capture and Storage); 1212 (omitting any reference to extensive factual material contained in the record); 1344 (mischaracterizing the contents of the record by describing only one viewpoint expressed in the Congressional hearing). In addition, many of the summaries contain Defendants' arguments as to their interpretation of information presented at a particular Congressional hearing, which is not a proper purpose for an FRE summary chart. *Avila v. Willits Envtl. Remediation Trust*, 2009 WL 1813125, *31 (N.D. Cal. 2009) (sustaining objections to a party's summaries and "argumentative statements" as violative of FRE 1006). For example, Defendants provide a summary for Exhibit 1248 that contains one argument from the opening statement of Rep. Edward Markey (although Defendants fail to use quotation marks or attribute this statement to Rep. Markey in the summary) rather a neutral summary of the contents of the 127-page record:

The decisions made in the next decade will set the course of the global and U.S. energy system and of the global climate for the next century and beyond. This transition also presents an unprecedented opportunity for economic development and job creation in the clean energy technology sector.

In Defendants' description of Exhibit 1374, instead of providing a summary of topics discussed at a hearing regarding clean coal technology, they offer the argument that "coal-fired power generation is likely to be relied on for decades to come and is projected to expand dramatically."

Defendants Do Not Identify Who Prepared the Summary Chart

Defendants have not identified the individual or individuals who prepared the FRE 1006 summary chart or the purpose for which the chart will be offered into evidence. As such, it is

impossible for Plaintiffs to cross-examine this individual about the content of the summaries and why certain information was included within the summaries, while other information was excluded. As such, admission of the FRE 1006 Summary Chart into evidence would be prejudicial to Plaintiffs. *Frank Music Corp. v. Metro-Goldwyn-Mayer, Inc.*, 772 Fed. Appx. 673, 677 (9th Cir. 2010). While Defendants have identified Cheryl MacKay as a witness who “will offer testimony to authenticate congressional documents on behalf of the United States as well as a summary of those documents pursuant to Fed. R. Evid. 1006,” Doc. 373, there is no need for Ms. MacKay to authenticate the documents because Defendants have independently sought judicial notice of the documents for authentication purposes. Doc. 375. There is also no indication from Defendants that Ms. MacKay is the individual who prepared the FRE 1006 summary chart or has the personal knowledge or expertise to prove the truth of the various statements, many from third parties, contained in the Congressional Hearing Reports. For these reasons, Plaintiffs would be prejudiced if the FRE 1006 Summary Chart would be admitted into evidence.

CONCLUSION

For these reasons, Plaintiffs respectfully request this Court exclude Defendants’ Exhibits 651, 1171-1248, 1250-1273, 1275, 1277, 1279-1285, and 1287-1616 because they do not meet the standards for admissibility under FRE 401, 402, 403, 701, 801, 802, 803 and 1006.

Respectfully submitted this 7th day of November, 2018,

/s/ Andrea K. Rodgers
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APPENDIX A: PLAINTIFFS' SUPPLEMENTAL OBJECTIONS TO DEFENDANTS' EXHIBITS

DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
1	1/1/2010	2010 USDA Climate Change Science Plan	USDA0000001 - USDA0000025	Def. Fact USDA	No.	No.	
2	5/1/2016	USDA Building Blocks for Climate Smart Agriculture and Forestry: Implementation Plan and Progress Report	USDA0000026 - USDA0000149	Def. Fact USDA	No.	No.	
3	7/1/2016	Managing Agricultural Land for Greenhouse Gas Mitigation within the United States	USDA0000150 - USDA0000223	Def. Fact USDA	No.	No.	
4	9/1/2016	U.S. Agriculture and Forest Greenhouse Gas Inventory 1990 2013	USDA0000495 - USDA0000646	Def. Fact USDA	No.	No.	
5		Transportation Statistics Annual Report Chapter 7 Transportation Energy Use and Environmental Impacts	DOT0000768- DOT0000795	Def. Fact DOT	No.	No.	
6	12/1/2013	A Performance-Based Approach to Addressing Greenhouse Gas Emissions through Transportation Planning	DOT0000796- DOT0000869	Def. Fact DOT	No.	No.	
7	2/29/2012	Alternative Fuel for Marine Application: Final Report	DOT0000870- DOT0000920	Def. Fact DOT	No.	No.	
8		Climate Change and Transportation Infographic	DOT0000921- DOT0000922	Def. Fact DOT	No.	No.	
9		FHWA Alternative Fuel Corridors Summary	DOT0000923- DOT0000924	Def. Fact DOT	No.	No.	
10	9/1/2003	Fuel Options for Reducing Greenhouse Gas Emissions from Motor Vehicles: Final Report	DOT0000925- DOT0001000	Def. Fact DOT	No.	No.	
11	10/1/2014	Highways in the Coastal Environment Assessing Extreme Events. Hydraulic Engineering Circular No. 25, Vol. 2, Publication No. FHWA-NHI-14-006	DOT0001001- DOT0001149	Def. Fact DOT	No.	No.	
12	6/1/2016	Highways in the River Environment Floodplains, Extreme Events, Risk, and Resilience. Hydraulic Engineering Circular No. 17, 2nd Ed., Publication No. FHWA-HIF-16-018	DOT0001150- DOT0001307	Def. Fact DOT	No.	No.	
13	9/1/2012	Impacts of Climate Change and Variability on Transportation Systems and Infrastructure Gulf Coast Study Phase 2, Appendix A-D	DOT0001308- DOT0001426	Def. Fact DOT	No.	No.	
14	9/1/2012	Impacts of Climate Change and Variability on Transportation Systems and Infrastructure Gulf Coast Study Phase 2, Appendix E	DOT0001427- DOT0001569	Def. Fact DOT	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
15	5/31/2012	Impacts of Climate Change and Variability on Transportation Systems and Infrastructure Gulf Coast Study Phase 2, Temperature and Precipitation Projections for the Mobile Bay Region	DOT0001570- DOT0001623	Def. Fact DOT	No.	No.	
16	9/1/2012	Impacts of Climate Change and Variability on Transportation Systems and Infrastructure Gulf Coast Study Phase 2, Task 2.4: Assessing the Sensitivity of Transportation Assets to Climate Change in Mobile, Alabama	DOT0001624- DOT0001665	Def. Fact DOT	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	

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17		Impacts of Climate Change and Variability on Transportation Systems and Infrastructure Gulf Coast Study Phase 2, Task 2.4 Sensitivity Matrix Workbook	DOT0001666-DOT0001666	Def. Fact DOT	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
18	6/1/2013	Impacts of Climate Change and Variability on Transportation Systems and Infrastructure Gulf Coast Study Phase 2, Temperature and Precipitation Projections for the Mobile Bay Region: Final Report	DOT0001667-DOT0001894	Def. Fact DOT	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
19	3/1/2008	Impacts of Climate Change and Variability on Transportation Systems and Infrastructure Gulf Coast Study Phase I	DOT0001895-DOT0002333	Def. Fact DOT	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
20		Longitudinal Study of the Performance Characteristics and Environmental Impacts of Renewable Diesel Fuels in Marine Engines, Applegate, T. Bruce & Russell, Lynn, Scripps Institution of Oceanography, DTMA-91-H-2013-0001	DOT0002334-DOT0002367	Def. Fact DOT	No.	No.	
21	7/1/2009	Moving Cooler An Analysis of Transportation Strategies for Reducing Greenhouse Gas Emissions, Executive Summary, Cambridge Systematics, Inc.	DOT0002368-DOT0002384	Def. Fact DOT	No.	No.	
22	10/1/2017	Post Hurricane Sandy Transportation Resilience Study in NY, NJ, and CT, FHWA-HEP-17-097	DOT0002385-DOT0002929	Def. Fact DOT	No.	No.	
23	5/10/2010	Regional Climate Change Effects Useful Information for Transportation Agencies, ICF International, DTFH61-05-D-00019, TOPR No. EV0101	DOT0002930-DOT0003032	Def. Fact DOT	No.	No.	
24		Screenshot of Alternative Fuel Corridors Program	DOT0003033-DOT0003035	Def. Fact DOT	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
25		Screenshot of ASCENT Aviation Sustainability Center - partially funded by FAA	DOT0003036-DOT0003037	Def. Fact DOT	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
26		Screenshot of FHWA website - Energy and Emissions Reduction Policy Analysis Tool	DOT0003038-DOT0003040	Def. Fact DOT	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
27		Screenshot of Transportation Engineering Approaches to Climate Resiliency (TEACR) Study	DOT0003041-DOT0003045	Def. Fact DOT	No.	No.	
28		Screenshot of U.S. DOT Volpe Center Freight and Fuel Transportation Optimization Tool	DOT0003046-DOT0003049	Def. Fact DOT	No.	No.	
29	8/30/2013	Sugar-Based Renewable Diesel Testing Final Report, Risley, Tom & Saccani, Jeff, Life Cycle Engineering	DOT0003050-DOT0003409	Def. Fact DOT	No.	No.	
30	7/1/2017	Synthesis of Approaches for Addressing Resilience in Project Development, FHWA-HEP-17-082	DOT0003410-DOT0003633	Def. Fact DOT	No.	No.	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
31	9/17/2007	Advances in CO2 capture technology—The U. S. Department of Energy's Carbon Sequestration Program, Figueroa, Jose D., International Journal of Greenhouse Gas Control, Elsevier	DOE0000667-DOE0000678	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
32	10/2/2018	Loan Programs Office Portfolio Performance Results: Annual CO2 Avoided and Gasoline Saved, TPMD Dashboard	DOE0000679-DOE0000679	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
33	9/1/2016	Summit on Improving the Economics of America's Nuclear Power Plants, Energy Systems Strategic Assessment Institute	DOE0000680-DOE0000711	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
34	9/1/2016	Economic and Market Challenges Facing the U.S. Nuclear Commercial Fleet, Energy Systems Strategic Assessment Institute	DOE0000712-DOE0000813	Def. Fact DOE	No.	No.	
35	9/1/2017	Economic and Market Challenges Facing the U.S. Nuclear Commercial Fleet - Cost and Revenue Study, Energy Systems, Strategies, Assessments, and Integration	DOE0000814-DOE0000876	Def. Fact DOE	No.	No.	
36	12/7/2015	COP21 Side Event "Nuclear Power: A Sustainable, Clean Power Source"	DOE0000877-DOE0000878	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
37	5/24/2018	PRESS RELEASE ON THE NICE FUTURE INITIATIVE: Countries Launch a Nuclear Innovation Initiative under the Clean Energy Ministerial	DOE0000879-DOE0000882	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay).	
38		Nuclear: What it Means in Ohio: Agenda	DOE0000883-DOE0000883	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); 801, 802 (Hearsay)	
39	10/18/2016	Nuclear Power: What it means in Illinois, Department of Nuclear, Plasma, and Radiological Engineering, NPRI Illinois	DOE0000884-DOE0000895	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); 801, 802 (Hearsay)	
40	6/12/2018	Governors' Advisors' Energy Policy Institute, The National Governors Association Center for Best Practices: Agenda	DOE0000896-DOE0000898	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); 801, 802 (Hearsay)	
41	3/30/2017	Workshop on the Future of Nuclear Power: Agenda	DOE0000899-DOE0000902	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
42	5/3/2015	Can Nuclear Power and Renewables be Friends?, Ingersoll, D.T.	DOE0000903-DOE0000911	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
43	12/7/2014	9th Nuclear Plants Current Issues Sumposium: Moving Forward	DOE0000912-DOE0000923	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	

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44	8/31/2018	The Impact of Renewable Portfolio Standards on U.S. Nuclear Electricity Generation, Nuclear Technology Research and Development, Kim, Son H., NTRD-FCO-2018-000448	DOE0000924-DOE0000958	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
45	8/31/2018	Market Penetration of Nuclear Power under Various Technology Climate Change Policy Scenarios, Nuclear Technology Research and Development, Kim, S., NRRD-FCO-2017-000056	DOE0000959-DOE0001028	Def. Fact DOE	No.	No.	
46	9/16/2016	Nuclear Energy, Renewable Energy with Storage, and Climate Change Mitigation: Advanced Fuel Cycle Initiative, Kim, Son H., FCRD-FCO-2016-000501	DOE0001029-DOE0001065	Def. Fact DOE	No.	No.	
47	9/30/2018	Economic Impact of Flexible Nuclear Operation Estimated with EDGAR Optimization Code, Stauff, N.E., Nuclear Science and Engineering Division, Argonne National Laboratory, The 6th International Conference on Nuclear and Renewable Energy Resources	DOE0001066-DOE0001078	Def. Fact DOE	No	No	
48	9/21/2016	MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES SUBJECT: Climate Change and National Security, The White House, Office of the Press Secretary	DOE0001079-DOE0001086	Def. Fact DOE	No	No	
49	9/1/2016	United States Mid-Century Strategy for Deep Decarbonization, The White House	DOE0001087-DOE0001197	Def. Fact DOE	No.	No.	
50		10 C.F.R. pt. 611: Advanced Technology Vehicles Manufacturer Assistance Program	DOE0001198-DOE0001207	Def. Fact DOE	No	No.	
51	4/15/2016	Benefits of the NETL Clean Coal and Carbon Management Program	DOE0001208-DOE0001368	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
52	11/1/2016	Capital Cost Estimates for Utility Scale Electricity Generating Plants	DOE0001369-DOE0001509	Def. Fact DOE	No.	No.	
53	1/1/2013	Carbon Capture Technology Program Plan, Clean Coal Research Program	DOE0001510-DOE0001571	Def. Fact DOE	No.	No.	
54	8/1/2015	Carbon Dioxide Capture Handbook, DOE/NETL Carbon Capture Program	DOE0001572-DOE0001687	Def. Fact DOE	No.	No.	
55	4/1/2018	Direct Federal Financial Interventions and Subsidies in Energy in FY 2016	DOE0001688-DOE0001744	Def. Fact DOE	No.	No.	
56		DOE Discretionary Funding History FY1977-2017, FY 2018-2023 (President's FY 2019 Budget): Spreadsheet	DOE0001745-DOE0001745	Def. Fact DOE	No.	No.	
57	12/19/2007	Energy Independence and Security Act of 2007, Pub. L. No. 110-140, 121 Stat. 1492	DOE0001746-DOE0002056	Def. Fact DOE	No.	No.	
58	8/8/2005	Energy Policy Act of 2005, Pub. L. No. 109-58, 119 Stat. 594	DOE0002057-DOE0002607	Def. Fact DOE	No.	No.	
59	1/1/2018	Energy-Related Carbon Dioxide Emissions by State, 2000-2015	DOE0002608-DOE0002637	Def. Fact DOE	No.	No.	
60	12/11/2017	Energy-related carbon dioxide emissions decreased in most states from 2005 to 2015, U. S. Energy Information Administration	DOE0002638-DOE0002639	Def. Fact DOE	No.	No.	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
61		FE Budget FY08 - FY18: Spreadsheet	DOE0002640-DOE0002640	Def. Fact DOE	No.	No.	
62	11/16/2017	Growth in global energy-related carbon dioxide emissions expected to slow, U.S. Energy Information Administration	DOE0002641-DOE0002643	Def. Fact DOE	No.	No.	
63	12/15/2016	10 C.F.R. pt. 609 - Loan Guarantees for Projects that Employ Innovative Technologies	DOE0002644-DOE0002658	Def. Fact DOE	No.	No.	
64	9/14/2017	International Energy Outlook 2017, U.S. Energy Information Administration	DOE0002659-DOE0002734	Def. Fact DOE	No.	No.	
65		Large Scale Demonstrations, National Energy Technology Laboratory	DOE0002735-DOE0002737	Def. Fact DOE	No.	No.	
66		Loan Programs Office, Investing in American Energy Brochure	DOE0002738-DOE0002741	Def. Fact DOE	No.	No.	
67	10/31/2017	Petra Notva is one of two carbon capture and sequestration power plants in the world, U.S. Energy Information Administration	DOE0002742-DOE0002743	Def. Fact DOE	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
68	1/1/2013	Gasification Systems Technology Program Plan, Clean Coal Research Program	DOE0000287-DOE0000344	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
69	1/1/2013	Solid Oxide Fuel Cells Technology Program Plan, Clean Coal Research Program	DOE0000345-DOE0000414	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
70	1/1/2013	Advanced Combustion Systems Technology Program Plan, Clean Coal Research Program	DOE0000415-DOE0000478	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
71	12/1/2014	Carbon Storage Technology Program Plan, Clean Coal Research Program	DOE0000479-DOE0000548	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
72	1/1/2013	Crosscutting Research Technology Program Plan, Clean Coal Research Program	DOE0000549-DOE0000666	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
73		September 2018 Monthly Energy Review, U.S. Energy Information Administration	DOE0002745-DOE0003014	Def. Fact DOE	No.	No.	
74	12/12/2013	Loan Guarantee Solicitation Announcement, Federal Loan Guarantees for Advanced Fossil Energy Projects. Solicitation Numer: DE-SOL-0006303. OMB Control Number: 1910-5134	DOE0003015-DOE0003060	Def. Fact DOE	No.	No.	
75	12/10/2014	Loan Guarantee Solicitation Announcement, Federal Loan Guarantees for Advanced Nuclear Energy Projects. Solicitation Numer: DE-SOL-0007791. OMB Control Number: 1910-5134	DOE0003061-DOE0003106	Def. Fact DOE	No.	No.	
76	7/3/2014	Loan Guarantee Solicitation Announcement, Federal Loan Guarantees for Renewable Energy Projects and Efficient Energy Projects. Solicitation Numer: DE-SOL-0007154. OMB Control Number: 1910-5134	DOE0003107-DOE0003154	Def. Fact DOE	No.	No.	
77		Technology Roadmap, Carbon Capture and Storage. 2013 Ed., International Energy Agency	DOE0003155-DOE0003217	Def. Fact DOE	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
78		Total Carbon Dioxide Emissions from the Consumption of Energy: Spreadsheet	DOE0003218-DOE0003218	Def. Fact DOE	No.	No.	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
79	9/25/2018	U.S. Energy-Related Carbon Dioxide Emissions, 2017, U.S. Energy Information Administration	DOE0003219-DOE0003232	Def. Fact DOE	No.	No.	
80	2/8/2018	U.S. energy-related CO2 emissions expected to rise slightly in 2018, remain flat in 2019, U.S. Energy Information Administration	DOE0003233-DOE0003234	Def. Fact DOE	No.	No.	
81	9/5/2018	U.S. energy-related CO2 emissions fell slightly in 2017, U.S. Energy Information Administration	DOE0003235-DOE0003237	Def. Fact DOE	No.	No.	
82	9/28/2018	World Carbon Dioxide Emissions by Region: Spreadsheet	DOE0003238-DOE0003238	Def. Fact DOE	No.	No.	
83	9/28/2018	World Carbon Dioxide Emissions from Coal Use by Region: Spreadsheet	DOE0003239-DOE0003239	Def. Fact DOE	No.	No.	
84	9/28/2018	World Carbon Dioxide Emissions from Liquids Use by Region: Spreadsheet	DOE0003240-DOE0003240	Def. Fact DOE	No.	No.	
85	9/28/2018	World Carbon Dioxide Emissions from Natural Gas Use by Region: Spreadsheet	DOE0003241-DOE0003241	Def. Fact DOE	No.	No.	
86	9/28/2018	World Tight Gas Shale Gas and Coalbed Methane Production by Region: Spreadsheet	DOE0003242-DOE0003242	Def. Fact DOE	No.	No.	
87	2015	Office of Energy Efficiency and Renewable Energy 2016-2020 Strategic Plan	DOE0003243-DOE0003278	Def. Fact DOE	No.	No.	
88	2017	Office of Energy Efficiency and Renewable Energy 2016 Renewable Energy Data Book	DOE0003279-DOE0003410	Def. Fact DOE	No.	No.	
89	2018	Office of Energy Efficiency and Renewable Energy 2016 Renewable Energy Grid Integration Data Book	DOE0003411-DOE0003503	Def. Fact DOE	No.	No.	
90	2018	National Renewable Energy Laboratory 2018 Annual Technology Baseline	DOE0003504-DOE0003603	Def. Fact DOE	No.	No.	
91	2016	Revolution...Now - 2016 Update: The Future Arrives for Five Clean Energy Technologies	DOE0003604-DOE0003633	Def. Fact DOE	No.	No.	
92	2018	Transportation Energy Data Book, Edition 36.2, Oak Ridge National Laboratory	DOE0003634-DOE0004033	Def. Fact DOE	No.	No.	
93	2012	2011 Buildings Energy Data Book	DOE0004034-DOE0004319	Def. Fact DOE	No.	No.	
94	2011	Biomass Energy Data Book, Edition 4, Oak Ridge National Laboratory	DOE0004320-DOE0004573	Def. Fact DOE	No.	No.	
95	7/1/2016	2016 Billion-Ton Report: Advancing Domestic Resources for a Thriving Bioeconomy, Vol. 1	DOE0004574-DOE0005021	Def. Fact DOE	No.	No.	
96	2/1/2012	SunShot Vision Study	DOE0005022-DOE0005341	Def. Fact DOE	No.	No.	
97	2017	SunShot 2030 Goals, Solar Energy Technologies Office	DOE0005342-DOE0005346	Def. Fact DOE	No.	No.	
98	2015	Wind Vision: A New Era for Wind Power in the United States	DOE0005347-DOE0005694	Def. Fact DOE	No.	No.	
99	2017	Wind Vision Detailed Roadmap Actions, 2017 Update, Office of Energy Efficiency & Renewable Energy	DOE0005695-DOE0005762	Def. Fact DOE	No.	No.	

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100	2017	2016-2017 Stats Assessment and Update on the Wind Vision Roadmap: Findings from Topical Working Sessions, April 2016-March 2017, DeMeo, Edgar, Renewable Energy Consulting Services, Inc., DE-AC36-08GO28308	DOE0005763-DOE0005901	Def. Fact DOE	No.	No.	
101	2018	2017 Geothermal Technologies Office Annual Report, Office of Energy Efficiency & Renewable Energy	DOE0005902-DOE0005921	Def. Fact DOE	No.	No.	
102	2016	Hydropower Vision, A New Chapter for America's 1st Renewable Electricity Source	DOE0005922-DOE0006328	Def. Fact DOE	No.	No.	
103	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Advanced High Strength Steels Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006329-DOE0006383	Def. Fact DOE	No.	No.	
104	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Aluminum Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006384-DOE0006433	Def. Fact DOE	No.	No.	
105	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Carbon Fiber Reinforced Polymer Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006434-DOE0006496	Def. Fact DOE	No.	No.	
106	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Cement Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006497-DOE0006570	Def. Fact DOE	No.	No.	
107	6/1/2015	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Chemical Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006571-DOE0006716	Def. Fact DOE	No.	No.	
108	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Food and Beverage Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006717-DOE0006791	Def. Fact DOE	No.	No.	
109	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Glass Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006792-DOE0006861	Def. Fact DOE	No.	No.	
110	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Glass Fiber Reinforced Polymer Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006862-DOE0006925	Def. Fact DOE	No.	No.	
111	6/1/2015	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Iron and Steel Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0006926-DOE0007039	Def. Fact DOE	No.	No.	
112	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Magnesium Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0007040-DOE0007083	Def. Fact DOE	No.	No.	

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113	6/1/2007	Mining Industry Energy Bandwidth Study, Industrial Technologies Program	DOE0007084-DOE0007130	Def. Fact DOE	No.	No.	
114	6/1/2015	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Petroleum Refining, Office of Energy Efficiency & Renewable Energy	DOE0007131-DOE0007230	Def. Fact DOE	No.	No.	
115	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Plastics and Rubber Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0007231-DOE0007309	Def. Fact DOE	No.	No.	
116	6/1/2015	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Pulp and Paper Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0007310-DOE0007417	Def. Fact DOE	No.	No.	
117	10/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Seawater Desalination Systems, Office of Energy Efficiency & Renewable Energy	DOE0007418-DOE0007553	Def. Fact DOE	No.	No.	
118	9/1/2017	Bandwidth Study on Energy Use and Potential Energy Saving Opportunities in U.S. Titanium Manufacturing, Office of Energy Efficiency & Renewable Energy	DOE0007554-DOE0007596	Def. Fact DOE	No.	No.	
119	6/1/2016	Solid-State Lighting R&D Plan, Office of Energy Efficiency & Renewable Energy, Solid-State Lighting Program	DOE0007597-DOE0007804	Def. Fact DOE	No.	No.	
120	9/1/2017	Solid-State Lighting 2017 R&D Plan: Suggested Research Topics, Office of Energy Efficiency & Renewable Energy	DOE0007805-DOE0007826	Def. Fact DOE	No.	No.	
121	10/1/2014	Research & Development Roadmap for Emerging HVAC Technologies, Goetzler, W., Office of Energy Efficiency & Renewable Energy	DOE0007827-DOE0007947	Def. Fact DOE	No.	No.	
122	10/1/2014	Research & Development Roadmap for Next-Generation Appliances, Goetzler, W., Office of Energy Efficiency & Renewable Energy	DOE0007948-DOE0008022	Def. Fact DOE	No.	No.	
123	11/1/2014	Research & Development Roadmap for Next-Generation Low Global Warming Potential Refrigerants, Goetzler, W., Office of Energy Efficiency & Renewable Energy	DOE0008023-DOE0008082	Def. Fact DOE	No.	No.	
124	9/1/2014	Research & Development Roadmap for Emerging Water Heating Technologies, Goetzler, W., Office of Energy Efficiency & Renewable Energy	DOE0008083-DOE0008146	Def. Fact DOE	No.	No.	
125	2014	Windows and Building Envelope Research and Development: Roadmap for Emerging Technologies, Office of Energy Efficiency & Renewable Energy	DOE0008147-DOE0008232	Def. Fact DOE	No.	No.	
126	2017	Report on Federal Government Energy Management, FY 2015	DOE0008233-DOE0008236	Def. Fact DOE	No.	No.	
127	2018	Energy Efficiency and Renewable Energy Resources for State and Local Leaders, Office of Energy Efficiency & Renewable Energy	DOE0008237-DOE0008242	Def. Fact DOE	No.	No.	

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128	2016	Strategic Plan for a Thriving and Sustainable Bioeconomy, Office of Energy Efficiency & Renewable Energy	DOE0008243-DOE0008298	Def. Fact DOE	No.	No.	
129	2017	Fuel Cell Technologies Market Report 2016, Office of Energy Efficiency & Renewable Energy	DOE0008299-DOE0008361	Def. Fact DOE	No.	No.	
130	2018	Fuel Cell Technologies Office Accomplishments and Progress, Office of Energy Efficiency & Renewable Energy	DOE0008362-DOE0008370	Def. Fact DOE	No.	No.	
131	2018	US Drive Advanced Combustion and Emission Control Roadmap	DOE0008371-DOE0008426	Def. Fact DOE	No.	No.	
132	10/1/2017	US Drive Electrical and Electronics Technical Team Roadmap	DOE0008427-DOE0008467	Def. Fact DOE	No.	No.	
133	9/1/2017	US Drive Electrochemical Energy Storage Technical Team Roadmap	DOE0008468-DOE0008487	Def. Fact DOE	No.	No.	
134	11/1/2017	US Drive Fuel Cell Technical Team Roadmap	DOE0008488-DOE0008525	Def. Fact DOE	No.	No.	
135	7/1/2017	US Drive Fuel Pathway Integration Tech Team Roadmap	DOE0008526-DOE0008539	Def. Fact DOE	No.	No.	
136	6/1/2013	US Drive Grid Interaction Technical Team Roadmap	DOE0008540-DOE0008547	Def. Fact DOE	No.	No.	
137	8/1/2017	US Drive Codes and Standards Technical Team Roadmap	DOE0008548-DOE0008609	Def. Fact DOE	No.	No.	
138	7/1/2017	US Drive Hydrogen Delivery Technical Team Roadmap	DOE0008610-DOE0008647	Def. Fact DOE	No.	No.	
139	11/1/2017	US Drive Hydrogen Production Tech Team Roadmap	DOE0008648-DOE0008702	Def. Fact DOE	No.	No.	
140	2/1/2018	US Drive Integrated Systems Analysis Tech Team Roadmap	DOE0008703-DOE0008711	Def. Fact DOE	No.	No.	
141	10/1/2017	US Drive Materials Technical Team Roadmap	DOE0008712-DOE0008728	Def. Fact DOE	No.	No.	
142	7/1/2017	US Drive Hydrogen Storage Tech Team Roadmap	DOE0008729-DOE0008787	Def. Fact DOE	No.	No.	
143	6/1/2013	US Drive Vehicle Systems Analysis Technical Team Roadmap	DOE0008788-DOE0008796	Def. Fact DOE	No.	No.	
144	12/1/2006	21st Century Truck Partnership Roadmap and Technical White Papers, Office of Energy Efficiency & Renewable Energy	DOE0008797-DOE0008874	Def. Fact DOE	No.	No.	
145	11/1/2017	Vehicle Technologies and Fuel Cell Technologies Office Research and Development Programs: Prospective Benefits Assessment Report for FY 2018, Stephens, T. S., Argonne National Laboratory	DOE0008875-DOE0008968	Def. Fact DOE	No.	No.	
146	9/17/2013	Revolution Now: The Future Arrives for Four Clean Energy Technologies, Tillerman, Levi	DOE0008969-DOE0008982	Def. Fact DOE	No.	No.	
147	4/1/2015	Quadrennial Energy Review - Energy Transmission, Storage, and Distribution Infrastructure	DOE0008983-DOE0009330	Def. Fact DOE	No.	No.	
148	1/1/2017	Quadrennial Energy Review - Transforming the Nation's Electricity System: The Second Installment of the QER	DOE0009331-DOE0009842	Def. Fact DOE	No.	No.	

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149	2018	2018 Sustainable Energy in America Factbook, The Business Council for Sustainable Energy	US0082721-US0082854	Def. Fact State	No.	No.	
150	4/1/2018	Climate Change, Analysis of Reported Federal Funding, US GAO	US0082855-US0082949	Def. Fact State	No.	No.	
151		Appendix V: Climate Change Funding by Line Item as Reported by OMB, From Fiscal Years 1993-2017	US0082950-US0082953	Def. Fact State	No.	No.	
152	8/1/2013	Federal Climate Change Expenditures Report to Congress	US0082954-US0083001	Def. Fact State	No.	No.	
153		2018 Sustainable Energy in America Factbook, Graphic	STATE00009321-STATE00009321	Def. Fact State	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	No.	
154	10/2/2018	Live at State with Special Envoy for Climate Change, Todd Stern on COP21 in Paris	STATE00009322-STATE00009330	Def. Fact State	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
155	10/3/2018	U.S. National Statement at COP-23, Garber, Judith G.	STATE00009331-STATE00009332	Def. Fact State	No.	No.	
156		2016 Second Biennial Report of the United States of America, Under the United Nations Framework Convention on Climate Change	STATE00009333-STATE00009412	Def. Fact State	No.	No.	
157	2017	CEQ, Office of Federal Sustainability: Federal Government Scope 1 and 2 Greenhouse Gas Emissions, 2008-2017	CEQ0000001-CEQ0000006	Def. Fact CEQ	No.	No.	
158	2014	U.S. Climate Action Report 2014 (submitted to the UNFCCC)	CEQ0000007-CEQ00000316	Def. Fact CEQ	No.	No.	
159	10/1/2008	BLM Final EIS for Geothermal Leasing in the Western US, Vol. 1: Programmatic Analysis	CEQ0000317-CEQ0002108	Def. Fact CEQ	No.	No.	
160	10/2/2018	BLM Geothermal Resources Leasing Programmatic EIS Index	CEQ0002109-CEQ0002109	Def. Fact CEQ	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
161	10/2/2018	BLM Wind Energy Development Programmatic EIS Information Center Website	CEQ0002110-CEQ0002112	Def. Fact CEQ	No.	No.	
162	10/1/2012	BLM's Approved Resource Management Plan Amend./Record of Decision for Solar Energy Development in Six Southwestern States	CEQ0003491-CEQ0003687	Def. Fact CEQ	No.	No.	
163	10/2/2018	DOE's CO2 Capture and Sequestration Project website overview	CEQ0003688-CEQ0003690	Def. Fact CEQ	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
164	7/24/2018	U.S. Energy Information Admin.'s Latest International Energy Outlook highlights analysis of China, India, and Africa, U.S. Energy Information Administration	CEQ0003691-CEQ0003694	Def. Fact CEQ	No.	No.	

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165	11/16/2017	Growth in global energy-related carbon dioxide emissions expected to slow, U.S. Energy Information Administration	CEQ0003695-CEQ0003697	Def. Fact CEQ	No.	No.	
166	2/8/2018	U.S. energy-related CO2 emissions expected to rise slightly in 2018, remain flat in 2019, U.S. Energy Information Administration	CEQ0003698-CEQ0003700	Def. Fact CEQ	No.	No.	
167	3/1/2010	2010 Congressional Budget Office, Federal Climate Change Programs: Funding History and Policy Issues	CEQ0003701-CEQ0003731	Def. Fact CEQ	No.	No.	
168	5/1/2011	Government Accountability Office, Climate Change: Improvements Needed to Clarify National Priorities and Better Align Them with Federal Funding Report	CEQ0003732-CEQ0003826	Def. Fact CEQ	No.	No.	
169	8/1/2013	2013 Federal Climate Change Expenditures Report to Congress	CEQ0003827-CEQ0003874	Def. Fact CEQ	No.	No.	
170	1/1/2017	2017 Federal Climate Change Expenditures Report to Congress for Fiscal Years 2013-2016	CEQ0003875-CEQ0003898	Def. Fact CEQ	No.	No.	
171	4/1/2018	2018 Government Accountability Office, Report on Climate Change: Analysis of Reported Federal Funding	CEQ0003899-CEQ0003993	Def. Fact CEQ	No.	No.	
172	11/1/2015	Congressional Budget Office's 2015 Report: Federal Support for the Development, Production, and Use of Fuels and Energy Technologies	CEQ0003994-CEQ0004021	Def. Fact CEQ	No.	No.	
173	3/29/2017	Congressional Budget Office Testimony: Federal Support for Developing, Producing, and Using Fuels and Energy Technologies	CEQ0004022-CEQ0004040	Def. Fact CEQ	No.	No.	
174	10/2/2018	U.S. Government Accountability Office: Climate Change Funding and Management website	CEQ0004041-CEQ0004042	Def. Fact CEQ	No.	No.	
175		U.S. Global Change Research Program, Budget website	CEQ0004043-CEQ0004044	Def. Fact CEQ	No.	No.	
176	9/1/2018	U. S. Energy Information Administration: Monthly Energy Review for September 2018	CEQ0004045-CEQ0004075	Def. Fact CEQ	No.	No.	
177	7/3/2018	Petroleum, natural gas, and coal still dominate U.S. energy consumption, U.S. Energy Information Administration	CEQ0004076-CEQ0004077	Def. Fact CEQ	No.	No.	
178	9/1/2018	September 2018 Monthly Energy Review, U.S. Energy Information Administration	CEQ0004078-CEQ0004347	Def. Fact CEQ	No.	No.	
179	9/5/2018	U.S. energy-related CO2 emission fell slightly in 2017, U.S. Energy Information Administration	CEQ0004348-CEQ0004350	Def. Fact CEQ	No.	No.	
180	2/8/2018	U.S. energy-related CO2 emissions expected to rise slightly in 2018, remain flat in 2019, U.S. Energy Information Administration	CEQ0004351-CEQ0004353	Def. Fact CEQ	No.	No.	
181	4/1/2011	H.R. 910, Energy Tax Prevention Act of 2011, Committee Report 112-50	CEQ0004369-CEQ0004410	Def. Fact CEQ	No.	No.	
182	6/5/2009	H.R. 2454, The American Clean Energy and Security Act of 2009, Committee Report 111-137	CEQ0004411-CEQ0005153	Def. Fact CEQ	No.	No.	

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183	2/28/2014	H.R. 3826, Electricity Security and Affordability Act of 2014, Committee Report 113-365	CEQ0005154-CEQ0005185	Def. Fact CEQ	No.	No.	
184	11/19/2015	H.R. Res. 71, Congressional Report 114-348	CEQ0005186-CEQ0005197	Def. Fact CEQ	No.	No.	
185	11/19/2015	H.R. Res. 72, Congressional Report 114-349	CEQ0005198-CEQ0005210	Def. Fact CEQ	No.	No.	
186	4/17/2017	Association of Air Pollution Control Agencies, Greatest Story Seldom Told: Profiles & Success Stories in Air Pollution Control	CEQ0005211-CEQ0005258	Def. Fact CEQ	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); ER 801/802 (Hearsay)	
187	2018	EPA, Economic Growth with Cleaner Air (2018)	CEQ0005259-CEQ0005259	Def. Fact CEQ	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); ER 801/802 (Hearsay)	
188	2017	Health Effects Institute: State of Global Air, 2017 Report.	CEQ0005260-CEQ0005276	Def. Fact CEQ	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); ER 801/802 (Hearsay)	
189		World Health Org: Map of Concentration of Particulate Matter with an Aerodynamic Diameter of 2.5 or less (PM2.5) in Nearly 3,000 Urban Areas, 2008-2015	CEQ0005277-CEQ0005277	Def. Fact CEQ	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); ER 801/802 (Hearsay)	
190	3/8/2011	Climate Science and EPA's Greenhouse Gas Regulations, Serial No. 112-16	CEQ0005278-CEQ0005720	Def. Fact CEQ	No.	No.	
191	2/11/2014	Department of Energy Oversight Status of Clean Coal Programs, Serial No. 113-118	CEQ0005721-CEQ0005817	Def. Fact CEQ	No.	No.	
192	10/22/2018	EPA CO2 Regulations for New and Existing Power Plants Legal Perspectives, Serial No. 114-90	CEQ0005818-CEQ0005993	Def. Fact CEQ	No.	No.	
193	4/14/2015	EPA Proposed 111(d) Rule for Existing Power Plants, Serial No. 114-29	CEQ0005994-CEQ0006236	Def. Fact CEQ	No.	No.	
194	2/13/2013	EPA Proposed GHG Standards for New Power Plants, Serial No. 113-94	CEQ0006237-CEQ0006477	Def. Fact CEQ	No.	No.	
195	10/7/2015	EPAs CO2 Regulations for New and Existing Power Plants, Serial No. 114-83	CEQ0009599-CEQ0009696	Def. Fact CEQ	No.	No.	
196	3/1/2011	EPAs GHG Regulations and Their Effect on American Jobs, Serial No. 112-12	CEQ0007010-CEQ0007173	Def. Fact CEQ	No.	No.	
197	3/24/2011	EPAs Greenhouse Gas and Clean Air Act Regs: A Focus on TX Economy, Energy Prices & Jobs, Serial No. 112-26	CEQ0007174-CEQ0007655	Def. Fact CEQ	No.	No.	
198	3/17/2015	EPAs Proposed 111(d) Rule for Existing Power Plants Legal and Cost Issues, Serial No. 114-20	CEQ0007656-CEQ0007859	Def. Fact CEQ	No.	No.	
199	6/19/2014	EPAs Proposed Carbon Dioxide Regulations for Power Plants, Serial No. 113-155	CEQ0007860-CEQ0007959	Def. Fact CEQ	No.	No.	
200	7/29/2014	FERC Perspectives: Questions Concerning EPA's Proposed Clean Power Plan & Other Grid Reliability Issues, Serial No. 113-168	CEQ0007960-CEQ0008142	Def. Fact CEQ	No.	No.	
201	9/9/2014	State Perspectives Questions Concerning EPAs Proposed Clean Power Plan, Serial No. 113-172	CEQ0008143-CEQ0008268	Def. Fact CEQ	No.	No.	

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202	6/19/2012	The American Energy Initiative, A Focus on EPAs Greenhouse Gas Regulations, Serial No. 112-151	CEQ0008269-CEQ0008477	Def. Fact CEQ	No.	No.	
203	6/29/2012	The American Energy Initiative: A Focus on EPAs Greenhouse Gas Regulations, Serial No. 112-158	CEQ0008478-CEQ0008539	Def. Fact CEQ	No.	No.	
204	7/16/2012	The American Energy Initiative: EPA's Proposed Greenhouse Gas New Source Performance Standards for Utilities Hearing, Serial No. 112-165	CEQ0008540-CEQ0008626	Def. Fact CEQ	No.	No.	
205	2/9/2011	The Energy Tax Prevention Act of 2011, Serial No. 112-2	CEQ0008627-CEQ0009294	Def. Fact CEQ	No.	No.	
206	9/18/2013	The Obama Administrations Climate Change Policies and Activities, Serial No. 113-82	CEQ0009295-CEQ0009537	Def. Fact CEQ	No.	No.	
207	10/2/2018	U.S. Dept of State: Caribbean Energy Security Initiative (CESI)	CEQ0009538-CEQ0009538	Def. Fact CEQ	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative); ER 801/802 (Hearsay)	
208	2016	DOE, Revolution Now 2016 Update_ Infographic and Cost Reduction Graph	CEQ0009539-CEQ0009539	Def. Fact CEQ	No.	No.	
209	9/1/2016	DOE, Revolution Now 2016 Information	CEQ0009540-CEQ0009541	Def. Fact CEQ	No.	No.	
210	9/1/2016	DOE, Revolution Now 2016 Report: Future Arrives for Five Clean Energy Technologies	CEQ0009542-CEQ0009571	Def. Fact CEQ	No.	No.	
211	2016	DOE, Revolution Now 2016 Update_ Website	CEQ0009572-CEQ0009574	Def. Fact CEQ	No.	No.	
212	2017	International Energy Agency, Renewables 2017 Executive Summary	CEQ0009575-CEQ0009586	Def. Fact CEQ	No.	No.	
213	11/16/2017	U.S. Dept of State: U.S. National Statement at COP-23	CEQ0009591-CEQ0009593	Def. Fact CEQ	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); ER 801/802 (Hearsay)	
214		USAID, Power Africa Program, Website	CEQ0009594-CEQ0009598	Def. Fact CEQ	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative); ER 801/802 (Hearsay)	
215		USACE Sea Level Change Curve Calculator User Manual website	ACOE00008903-ACOE00008903	Def. Fact DOD	No.	No.	
216	8/1/2017	USACE Climate Preparedness & Resilience: CWTS Report 2017-02, Archival Water-Level Measurements: Recovering Historical Data to Help Design for the Future	ACOE00008904-ACOE00008952	Def. Fact DOD	No.	No.	
217	6/1/2016	USACE Climate Preparedness & Resilience: CWTS Report 2017-02, Tools for Rapid Assessment of Carbon Accumulation & Storage in USACE Civil Works Terrestrial & Aquatic Holdings	ACOE00008953-ACOE00008988	Def. Fact DOD	No.	No.	

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218	7/1/2018	USACE Climate Guidance Handout	ACOE0000898 9- ACOE0000898 9	Def. Fact DOD	No.	No.	
219	6/1/2015	USACE Comparison of 2014 Adaptation Plans: Report providing comparison of adaptation plans submitted to the White House in 2014, Connors, Hannah	ACOE0000899 0- ACOE0000908 2	Def. Fact DOD	No.	No.	
220	4/21/1989	USACE Planning Guidance on the Incorporation of Sea Level Rise Possibilities in Feasibility Studies, Expires 6/30/1990 (EC 1105-2-186)	ACOE0000908 3- ACOE0000908 5	Def. Fact DOD	No.	No.	
221	7/1/2009	USACE Water Resource Policies & Authorities Incorporating Sea-Level Change Considerations in Civil Works Programs, Expires 7/1/2011 (EC 1165-2-211)	ACOE0000908 6- ACOE0000911 3	Def. Fact DOD	No.	No.	
222	10/1/2011	USACE Sea-Level Change Considerations for Civil Works Programs, Expires 9/30/2013 (EC 1165-2-212)	ACOE0000911 4- ACOE0000914 4	Def. Fact DOD	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
223	9/10/2018	USACE Engineering & Construction Bulletin: Guidance for Incorporating Climate Change Impacts to Inland Hydrology in Civil Works Studies, Designs & Projects	ACOE0000914 5- ACOE0000915 9	Def. Fact DOD	No.	No.	
224	6/30/2014	USACE: Procedures to Evaluate Sea Level Change: Impacts, Responses & Adaptation, Expiration: 3/30/2019 (ETL 1100-2-1)	ACOE0000916 0- ACOE0000941 3	Def. Fact DOD	No.	No.	
225	3/1/2018	USACE: Floods and Nonstationarity: A Review	ACOE0000941 4- ACOE0000950 1	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
226	9/28/2018	USACE Planning Community Toolbox website	ACOE0000950 2- ACOE0000950 9	Def. Fact DOD	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
227	12/1/2016	USACE: National Drought Resilience: Improved Reservoir Sediment Surveys	ACOE0000951 0- ACOE0000957 1	Def. Fact DOD	No.	No.	
228	5/27/2016	USACE Report: Ocean Acidification and its Projected Impacts on U.S. Army Corps of Engineers Missions, Jullberg, Paula	ACOE0000957 2- ACOE0000960 9	Def. Fact DOD	No.	No.	
229	8/1/2017	USACE: Report on Lessons Learned from USACE Climate Change Adaptation Pilot Projects Fiscal Years 2010-2015	ACOE0000961 0- ACOE0000972 3	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
230	1/8/2016	USACE Report: Review of Progress Toward Consistent Vertical Datums, Garster, Jim & Huber, Mark	ACOE0000972 4- ACOE0000974 0	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	

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231	6/1/2015	USACE Screening-Level Assessment of Projects with Respect to Sea Level Change, Garster, Jim et al	ACOE0000974 1- ACOE0000976 4	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
232	6/1/2016	USACE: Tools for a Rapid Assessment of Carbon Accumulation & Storage in USACE Civil Works Terrestrial and Aquatic Holdings	ACOE0000976 5- ACOE0000980 0	Def. Fact DOD	No.	No.	
233	9/1/2012	USACE: Climate Change Adaptation Pilots	ACOE0000980 1- ACOE0000983 7	Def. Fact DOD	No.	No.	
234	9/1/2015	USACE: Drought Contingency Planning in the Context of Climate Change, Pinson, Ariane et al	ACOE0000983 8- ACOE0000988 2	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
235	8/1/2016	USACE: Reservoir Sedimentation in the Context of Climate Change, Pinson, Ariane et al	ACOE0000988 3- ACOE0000997 7	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
236	6/1/2015	USACE: Climate Change Adaptation Plan, Update to 2014 Plan	ACOE0000997 8- ACOE0000999 5	Def. Fact DOD	No.	No.	
237	6/1/2014	USACE: Climate Change Adaptation Plan	ACOE0000999 6- ACOE0001004 8	Def. Fact DOD	No.	No.	
238	Spring 2017	Air Force: Civil Engineer, Vol. 25 No. 1, Innovation & Infrastructure	AF0001030 - AF0001050	Def. Fact DOD	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
239	9/30/2014	Air Force: Joint Base Langley-Eustis (JBLE) Outbrief	AF0001515 - AF0001579	Def. Fact DOD	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative). 801, 802 (Hearsay)	
240	4/26/2016	Air Force: Climate Change and the Airforce, Earth Day powerpoint slides	AF0002414 - AF0002425	Def. Fact DOD	No.	No.	
241	10/20/2016	Air Force Mission Assurance through Climate Change Adaptation & Resilience, Powerpoint slides	AF0002426 - AF0002451	Def. Fact DOD	No.	No.	
242		Air Force: Langley AFB Deploys Flood-Mapping Tool to Prepare for Ophelia	AF0004232- AF0004232	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
243		Langley NASA Flood Tool Analyst and Design Powerpoint	AF0004233- AF0004264	Def. Fact DOD	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	

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244	3/3/2014	A Methodology for Assessing the Impact of Sea Level Rise on Representative Military Installations in the Southwestern US, Chadwick, Bart	DOD00004749 - DOD00005435	Def. Fact DOD	No.	No.	
245	2/1/2016	Strategic Environmental Research and Development Program Final Report: Addressing the Impacts of Climate Change on US Army Alaska with Decision Support Tools Developed Through Field Work and Modeling, Goudlas, Thomas A.	DOD00005436 - DOD00005633	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
246	7/1/2015	Strategic Environmental Research and Development Program Limited Scope Report: Advancing Best Practices for the Formulation of Localized Sea Level Rise Coastal Inundation, Merrified, Mark et al	DOD00005634 - DOD00005688	Def. Fact DOD	No.	No.	
247	3/1/2017	Strategic Environmental Research and Development Program Final Report: Assessing Climate Change Impacts for DoD Installations in the SW US During the Warm Season, Castro, Christopher L.	DOD00005689 - DOD00005821	Def. Fact DOD	No.	No.	
248	4/1/2016	Strategic Environmental Research and Development Program Final Report: Assisted Migration as a Management Tool in Coastal Ecosystems Threatened by Climate Change, Battaglia, Loretta L.	DOD00005822 - DOD00005886	Def. Fact DOD	No.	No.	
249	9/13/2018	Climate Change and the Department of Defense	DOD00005887 - DOD00005889	Def. Fact DOD	No.	No.	
250	2/1/2017	Strategic Environmental Research and Development Program Final Report: Climate Change Impacts and Adaptation on Southwestern DoD Facilities, Gafin, Gregg	DOD00005890 - DOD00006324	Def. Fact DOD	No.	No.	
251	8/1/2016	Strategic Environmental Research and Development Program Final Report: Decision Scaling A Decision Framework for DoD Climate Risk Assessment and Adaptation Planning, Brown, Casey et al	DOD00006325 - DOD00006553	Def. Fact DOD	No.	No.	
252	5/1/2013	Strategic Environmental Research and Development Program Monitoring Plan: Defense Coastal Estuarine Research Program, Cunningham, Patricia	DOD00006554 - DOD00006627	Def. Fact DOD	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
253	9/1/2016	USACE: Effect of Arctic Amplification on Design Snow Loads in Alaska, Jones, Kathleen & Daly, Steven	DOD00006628 - DOD00006698	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
254	3/1/2013	Strategic Environmental Research and Development Program Final Report: Effects of Near Term Sea Level Rise on Coastal Infrastructure, Donoghue, Joseph F. et al	DOD00006699 - DOD00006884	Def. Fact DOD	No.	No.	
255		Environmental Protection in the Department of Defense Report	DOD00006885 - DOD00006889	Def. Fact DOD	No.	No.	

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256	2013	Strategic Environmental Research and Development Program (SERDP) Final Report: Integrated Climate Change and Threatened Bird Population Modeling to Mitigate Operations Risks on Florida Military Installations, Linkob, Igor et al	DOD00006890 - DOD00006980	Def. Fact DOD	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
257	6/1/2014	Strategic Environmental Research and Development Program Final Report: Risk Quantification for Sustaining Coastal Mil Installation Assets and Mission Capabilities, Burks-Copes, Kelly A. et al	DOD00006981 - DOD00007346	Def. Fact DOD	No.	No.	
258	5/1/2014	Strategic Environmental Research and Development Program Final Report: Shoreline Evolution and Coastal Resiliency, Evans, Rob L. et al	DOD00007347 - DOD00007450	Def. Fact DOD	No.	No.	
259	8/31/2017	Strategic Environmental Research and Development Program Report: The Impact of Sea Level Rise and Climate Change on DoD Installations on Atolls in the Pacific Ocean	DOD00007451 - DOD00007589	Def. Fact DOD	No.	No.	
260	2/1/2016	Strategic Environmental Research and Development Program Final Report: Understanding Data Needs for Vulnerability and Decision Making to Manage Vulnerability of DoD Installations to Climate Change, Moss, Richard H. et al	DOD00007590 - DOD00007770	Def. Fact DOD	No.	No.	
261	10/11/2010	A Navy Energy Vision for the 21st Century	NAVY0000001- NAVY00000020	Def. Fact DOD	No.	No.	
262	5/21/2010	Dept of Navy: Climate Change Roadmap Memorandum	NAVY00000021- NAVY00000048	Def. Fact DOD	No.	No.	
263	10/1/2012	Great Green Fleet (GGF) RIMPAC 2012 Biofuel Test and Evaluation Final Paper	NAVY00000049- NAVY00000052	Def. Fact DOD	No.	No.	
264	1/1/2017	Naval Air Systems Command (NAVAIR) Acquisition Energy Strategy	NAVY00000053- NAVY00000059	Def. Fact DOD	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	No.	
265	10/1/2010	Dept of Navy's Energy Program for Security and Independence	NAVY00000060- NAVY00000087	Def. Fact DOD	No.	No.	
266	1/1/2017	Climate Change Installation Adaptation and Resilience Planning Handbook	NAVY00000088- NAVY000000280	Def. Fact DOD	No.	No.	

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267	3/6/2011	Naval Air Warfare Center Aircraft Division: Flight Test Evaluation of Blended Hydrotreated Renewable Jet (HRJ) Biofuel in the F/A-18E/F Airplane	NAVY000028 1- NAVY000038 2	Def. Fact DOD	No.	No.	
268	2/9/2012	Dept of Navy: Self Defense Test Ship (SDTS) Alternate Fuel Test Report	NAVY000038 3- NAVY000044 1	Def. Fact DOD	No.	No.	
269	2017	NOAA: Sea Level Rise- Climate Science Special Report, Chapter 12	DOC0000707- DOC0000746	Def. Fact DOC	No.	No.	
270	1/1/2017	NOAA: Data for the report "Global and Regional Sea Level Rise Scenarios for the United States" (Tech Report 83): Spreadsheet	DOC0000747- DOC0000747	Def. Fact DOC	No.	No.	
271	1/1/2017	NOAA Technical Report: Global and Regional Sea Level Rise Scenarios for the United States	DOC0000748- DOC0000822	Def. Fact DOC	No.	No.	
272	2/1/2018	Data for the NOAA Report: "Patterns and Projections of High Tide Flooding Along the US Coastline Using a Common Impact Threshold": Spreadsheet	DOC0000823- DOC0000823	Def. Fact DOC	No.	No.	
273	2/1/2018	NOAA Technical Report: Patterns and Projections of High Tide Flooding Along the US Coastline Using a Common Impact Threshold	DOC0000824- DOC0000879	Def. Fact DOC	No.	No.	
274	9/20/2018	EPA Webpage: Progress Cleaning the Air and Improving People's Health	EPA0001502- EPA0001514	Def. Fact EPA	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
275	4/1/2011	EPA Final Report: The Benefits and Costs of the Clean Air Act from 1990 to 2020	EPA0001515- EPA0001752	Def. Fact EPA	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
276	10/1/1997	EPA Retrospective Study: The Benefits and Costs of the Clean Air Act, 1970 to 1990	EPA0001753- EPA0002126	Def. Fact EPA	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
277	2016	U.S. Dept of State: Second Biennial Report of the United States under the United Nations Framework Convention on Climate Change	EPA0002127- EPA0002206	Def. Fact EPA	No.	No.	
278	7/30/2008	Regulating Greenhouse Gas Emissions Under the Clean Air Act, 73 Fed. Reg. 44354	EPA0002207- EPA0002374	Def. Fact EPA	No.	No.	
279	12/15/2009	Endangerment and Cause or Contribute Findings for Greenhouse Gases Under Section 202(a) of the Clean Air Act; 74 Fed. Reg. 66496, Final Rule	EPA0002375- EPA0002426	Def. Fact EPA	No.	No.	
280	4/2/2010	Reconsideration of Interpretation of Regulation that Determine Pollutant Covered by Clean Air Act Permitting Program, 75 Fed. Reg. 17,004	EPA0002427- EPA0002447	Def. Fact EPA	No.	No.	
281	5/7/2010	Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards, 75 Fed. Reg. 25,324	EPA0002448- EPA0002853	Def. Fact EPA	No.	No.	
282	6/3/2010	Prevention of Significant Deterioration and Title V Greenhouse Gas Tailoring Rule, 75 Fed. Reg. 31,514	EPA0002854- EPA0002949	Def. Fact EPA	No.	No.	
283	3/1/2011	EPA Report: PSD and Title V Permitting Guidance for Greenhouse Gases	EPA0002950- EPA0003045	Def. Fact EPA	No.	No.	

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284	9/15/2011	Announcement of Federal Underground Injection Control (UIC) Class VI Program for Carbon Dioxide (CO2) Geological Sequestration (GS) Wells, 76 Fed. Reg. 56,982	EPA0003046-EPA0003047	Def. Fact EPA	No.	No.	
285	9/15/2011	Greenhouse Gas Emissions Standards and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles, 76 Fed. Reg. 57,106	EPA0003048-EPA0003456	Def. Fact EPA	No.	No.	
286	10/15/2012	2017 and Later Model Year Light-Duty Vehicle Greenhouse Gas Emissions and Corporate Average Fuel Economy Standards, 77 Fed. Reg. 62,624	EPA0003457-EPA0004034	Def. Fact EPA	No.	No.	
287	7/20/2015	Protection of Stratospheric Ozone: Change of Listing Status for Certain Substitutes Under the Significant New Alternatives Policy Program, 80 Fed. Reg. 42,870	EPA0004035-EPA0004125	Def. Fact EPA	No.	No.	
288	10/23/2015	Standards of Performance for Greenhouse Gas Emissions from New, Modified, and Reconstructed Stationary Sources: Electric Generating Units, 80 Fed. Reg. 64,510	EPA0004126-EPA0004429	Def. Fact EPA	No.	No.	
289	10/23/2015	Carbon Pollution Emissions Guidelines for Existing Stationary Sources: Electric Utility Generating Units, 80 Fed. Reg. 64,662(Clean Power Plan)	EPA0004430-EPA0004581	Def. Fact EPA	No.	No.	
290	6/3/2016	Oil and Natural Gas Sector: Emission Standards for New, Reconstructed, and Modified Sources, 81 Fed. Reg. 35,824	EPA0004582-EPA0004700	Def. Fact EPA	No.	No.	
291	8/15/2016	Finding That Greenhouse Gas Emissions from Aircraft Cause or Contribute to Air Pollution that May Reasonably Be Anticipated to Endanger Public Health and Welfare, 81 Fed. Reg. 54,422	EPA0004701-EPA0004755	Def. Fact EPA	No.	No.	
292	8/29/2016	Standards of Performance for Municipal Solid Waste Landfills, 81 Fed. Reg. 59,276	EPA0004756-EPA0004811	Def. Fact EPA	No.	No.	
293	8/29/2016	Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills; 81 Fed. Reg. 59,322	EPA0004812-EPA0004865	Def. Fact EPA	No.	No.	
294	10/25/2016	Greenhouse Gas Emissions and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles—Phase 2, 81 Fed. Reg. 73,478	EPA0004866-EPA0005662	Def. Fact EPA	No.	No.	
295	11/18/2016	Protection of Stratospheric Ozone: Update to the Refrigerant Management Requirements Under the Clean Air Act, 81 Fed. Reg. 82,272	EPA0005663-EPA0005786	Def. Fact EPA	No.	No.	
296	12/1/2016	Protection of Stratospheric Ozone: New Listings of Substitutes; Changes of Listing Status; and Reinterpretation of Unacceptability for Closed Cell Foam Products Under the Significant New Alternatives Policy Program; and Revision of Clean Air Act Section 608 Venting Prohibition for Propane, 81 Fed. Reg. 86,778	EPA0005787-EPA0005904	Def. Fact EPA	No.	No.	

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297	4/4/2017	Review of the Clean Power Plan and Standards of Performance for Greenhouse Gas Emissions From New, Modified, and Reconstructed Stationary Sources: Electric Generating Units, 82 Fed. Reg. 16,329	EPA0005905-EPA0005906	Def. Fact EPA	No.	No.	
298	5/5/2017	EPA Letter granting reconsideration of certain aspects of the 2016 NSPS and stay of effective date for both NSPS and Emission Guidelines	EPA0005907-EPA0005908	Def. Fact EPA	No.	No.	
299	5/31/2017	90-Day Stay of Final Standards of Performance for Municipal Solid Waste Landfills and Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills, 82 Fed. Reg. 24,878	EPA0005909-EPA0005910	Def. Fact EPA	No.	No.	
300	10/16/2017	Proposed Repeal of Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units (CPP repeal), 82 Fed. Reg. 48,035	EPA0005911-EPA0005925	Def. Fact EPA	No.	No.	
301	4/27/2018	Protection of Stratospheric Ozone: Notification of Guidance and a Stakeholder Meeting Concerning the Significant New Alternatives Policy (SNAP) Program; 83 Fed. Reg. 18,431	EPA0005926-EPA0005931	Def. Fact EPA	No.	No.	
302	8/24/2018	The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021–2026 Passenger Cars and Light Trucks, 83 Fed. Reg. 42,986	EPA0005932-EPA0006446	Def. Fact EPA	No.	No.	
303	8/31/2018	Affordable Clean Energy Rule (ACE)-Emission Guidelines for Greenhouse Gas Emissions From Existing Electric Utility Generating Units; Revisions to Emission Guideline Implementing Regulations; Revisions to New Source Review Program (replaces CPP), 83 Fed. Reg. 44,746	EPA0006447-EPA0006514	Def. Fact EPA	No.	No.	
304	9/11/2018	40 C.F.R. part 60, Oil and Natural Gas Sector: Emission Standards for New, Reconstructed, and Modified Sources Reconsideration Proposed Rule	EPA0006515-EPA0006711	Def. Fact EPA	No.	No.	
305	2018	40 C.F.R. part 82, Protection of Stratospheric Ozone: Revisions to the Refrigerant Management Program's Extension to Substitutes, Proposed Rule	EPA0006712-EPA0006757	Def. Fact EPA	No.	No.	
306	4/12/2018	EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2016	EPA0006758-EPA0007412	Def. Fact EPA	No.	No.	
307	3/19/2015	Executive Order Fact Sheet: Reducing Greenhouse Gas Emissions in the Federal Government and Across the Supply Chain - The White House, Office of the Press Secretary	EPA0007413-EPA0007419	Def. Fact EPA	No.	No.	
308	6/1/2013	Climate Action Plan 2013 - Executive Office of the President	EPA0007420-EPA0007440	Def. Fact EPA	No.	No.	
309	12/1/1989	EPA: The Potential Effects of Global Climate Change on the United States	EPA0007441-EPA0007911	Def. Fact EPA	No.	No.	

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310	10/1/2000	Study sponsored by the EPA: Preparing for a Changing Climate: The Potential Consequences of Climate Variability and Change, Great Lakes Overview	EPA0007912-EPA0008028	Def. Fact EPA	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
311	12/1/2000	Study sponsored by the EPA: Preparing for a Changing Climate: The Potential Consequences of Climate Variability and Change, Mid-Atlantic Foundations	EPA0008029-EPA0008387	Def. Fact EPA	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
312	5/1/2001	Climate Change and Human Health: The Potential Consequences of Climate Variability and Change	EPA0008388-EPA0008392	Def. Fact EPA	No.	No.	
313	6/1/2003	Integrated Assessment of the Climate Change Impacts on the Gulf Coast Region, Ning, Zhu H. et al	EPA0008393-EPA0008633	Def. Fact EPA	No.	No.	
314	9/1/2008	Analyses of the Effects of Global Change on Human Health and Welfare and Human Systems, US Climate Change Science Program, Gamble, Janet L. et al	EPA0008634-EPA0008916	Def. Fact EPA	No.	No.	
315	2009	Informing Decisions in a Changing Climate, National Research Council, Panel on Strategies and Methods for Climate-Related Decision Support	EPA0008917-EPA0009117	Def. Fact EPA	No.	No.	
316	4/1/1991	Sequestering Carbon Soils: A Workshop to Explore the Potential for Mitigating Global Climate Change	EPA0009118-EPA0009217	Def. Fact EPA	No.	No.	
317	11/1/2016	Executive Office of the President, 2016: United States Mid-Century Strategy for Deep Decarbonization	EPA0009218-EPA0009328	Def. Fact EPA	No.	No.	
318	6/27/2017	Proceedings of the National Academy of Sciences (PNAS Journal): Evaluation of a proposal for reliable low-cost grid power with 100% wind, water, and solar, Clack, Christopher T.M. et al	EPA0009329-EPA0009334	Def. Fact EPA	No.	No.	
319	9/1/2015	SCC Timeline and list of rules that have used social cost of carbon or other greenhouse gas estimates (2008-2015)	EPA0009335-EPA0009341	Def. Fact EPA	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	No.	
320	2/1/2010	Interagency Working Group on the Social Cost of GHGs (2009-2016)	EPA0009342-EPA0009392	Def. Fact EPA	No.	No.	
321	5/1/2013	Interagency Working Group on the Social Cost of GHGs (2009-2016): May 2013 Technical Update	EPA0009393-EPA0009413	Def. Fact EPA	No.	No.	
322	11/1/2013	Interagency Working Group on the Social Cost of GHGs (2009-2016): Nov 2013 Technical Update	EPA0009414-EPA0009435	Def. Fact EPA	No.	No.	
323	7/1/2015	Interagency Working Group on the Social Cost of GHGs (2009-2016): July 2015 Technical Update	EPA0009436-EPA0009479	Def. Fact EPA	No.	No.	
324	7/1/2015	Interagency Working Group on the Social Cost of GHGs (2009-2016): July 2015 Revision	EPA0009480-EPA0009500	Def. Fact EPA	No.	No.	
325	8/1/2016	Interagency Working Group on the Social Cost of GHGs (2009-2016): Aug 2016 Revisions	EPA0009501-EPA0009535	Def. Fact EPA	No.	No.	

APPENDIX A: PLAINTIFFS' SUPPLEMENTAL OBJECTIONS TO DEFENDANTS' EXHIBITS

DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
326	1/1/2017	Valuing Climate Damages: Updating Estimation of the Social Cost of Carbon Dioxide: Report Highlights	EPA0009536- EPA0009539	Def. Fact EPA	No.	No.	
327	12/1/2010	EPA Guidelines for Preparing Economic Analyses – Discounting Future Benefits and Costs (ch. 6)	EPA0009540- EPA0009559	Def. Fact EPA	No.	No.	
328	9/22/2011	EPA Funded Workshop on Intergenerational Discounting - 2011 - Webpage	EPA0009560- EPA0009561	Def. Fact EPA	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
329	2005	2005 Gulfwide Emissions Inventory Study	DOI00012283- DOI00012431	Def. Fact DOI	No.	No.	
330	2008	2008 Gulfwide Emissions Inventory Study	DOI00012450- DOI00012634	Def. Fact DOI	No.	No.	
331	2011	2011 Gulfwide Emissions Inventory Study	DOI00012653- DOI00012834	Def. Fact DOI	No.	No.	
332	2014	2014 Gulfwide Emissions Inventory Study	DOI00012835- DOI00013123	Def. Fact DOI	No.	No.	
333	6/15/2017	3D Pressure-limited approach to model and estimate CO2 injection and storage capacity: saline Mount Simon Formation, Jahediesfanjani, Hossein et al	DOI00013124- DOI00013140	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
334	1985	BOEM Budget Justification FY 1985	DOI00013141- DOI00013282	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
335	1986	BOEM Budget Justification FY 1986	DOI00013283- DOI00013452	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
336	1987	BOEM Budget Justification FY 1987	DOI00013453- DOI00013608	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
337	1988	BOEM Budget Justification FY 1988	DOI00013609- DOI00013790	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
338	1989	BOEM Budget Justification FY 1989	DOI00013791- DOI00013956	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
339	1990	BOEM Budget Justification FY 1990	DOI00013957- DOI00014140	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
340	1991	BOEM Budget Justification FY 1991	DOI00014141- DOI00014366	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
341	1992	BOEM Budget Justification FY 1992	DOI00014367- DOI00014568	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
342	1993	BOEM Budget Justification FY 1993	DOI00014569- DOI00014802	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
343	1994	BOEM Budget Justification FY 1994	DOI00014803- DOI00015054	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	

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344	1995	BOEM Budget Justification FY 1995	DOI00015055-DOI00015310	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
345	1996	BOEM Budget Justification FY 1996	DOI00015311-DOI00015504	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
346	1997	BOEM Budget Justification FY 1997	DOI00015505-DOI00015704	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
347	1998	BOEM Budget Justification FY 1998	DOI00015705-DOI00015930	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
348	1999	BOEM Budget Justification FY 1999	DOI00015931-DOI00016158	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
349	2000	BOEM Budget Justification FY 2000	DOI00016159-DOI00016284	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
350	2001	BOEM Budget Justification FY 2001	DOI00016285-DOI00016412	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
351	2002	BOEM Budget Justification FY 2002	DOI00016413-DOI00016590	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
352	2003	BOEM Budget Justification FY 2003	DOI00016591-DOI00016789	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
353	2004	BOEM Budget Justification FY 2004	DOI00016790-DOI00017071	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
354	2005	BOEM Budget Justification FY 2005	DOI00017072-DOI00017322	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
355	2006	BOEM Budget Justification FY 2006	DOI00017323-DOI00017525	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
356	2007	BOEM Budget Justification FY 2007	DOI00017526-DOI00017750	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
357	2008	BOEM Budget Justification FY 2008	DOI00017751-DOI00018003	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
358	2009	BOEM Budget Justification FY 2009	DOI00018004-DOI00018260	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
359	2010	BOEM Budget Justification FY 2010	DOI00018261-DOI00018512	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
360	2011	BOEM Budget Justification FY 2011	DOI00018513-DOI00018762	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	

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361	2012	BOEM Budget Justification FY 2012	DOI00018763-DOI00018932	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
362	2013	BOEM Budget Justification FY 2013	DOI00018933-DOI00019034	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
363	2014	BOEM Budget Justification FY 2014	DOI00019035-DOI00019148	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
364	2015	BOEM Budget Justification FY 2015	DOI00019149-DOI00019260	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
365	2016	BOEM Budget Justification FY 2016	DOI00019261-DOI00019412	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
366	2017	BOEM Budget Justification FY 2017	DOI00019413-DOI00019566	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
367	2018	BOEM Budget Justification FY 2018	DOI00019567-DOI00019716	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
368	2019	BOEM Budget Justification FY 2019	DOI00019717-DOI00019846	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
369	11/14/2016	A database and probabilistic assessment methodology for carbon dioxide-enhanced oil recovery and associated carbon dioxide retention in the United States, Warwick, Peter D. et al	DOI00019847-DOI00019851	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
370	6/15/2016	A method for examining the geospatial distribution of CO2 storage resources applied to the Pre-Punta Gorda Composite and Dollar Bay reservoirs of the South Florida Basin, U.S.A., Roberts-Ashby, Tina et al	DOI00019852-DOI00019870	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
371	2010	A Probabilistic Assessment Methodology for the Evaluation of Geologic Carbon Dioxide Storage, Brennan, Sean T. USGS	DOI00019871-DOI00019909	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
372	12/5/2017	Economics, Helium, and the U.S. Federal Helium Reserve: Summary and Outlook, Anderson, Steven T. et al	DOI00019910-DOI00019932	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
373		BLM Energy Renewable Geothermal Project Info: Spreadsheet	DOI00019933-DOI00019933	Def. Fact DOI	No.	No.	
374		BLM Energy Renewable Solar Project Info: Spreadsheet	DOI00019934-DOI00019934	Def. Fact DOI	No.	No.	
375		BLM Energy Renewable Wind Project Info: Spreadsheet	DOI00019935-DOI00019935	Def. Fact DOI	No.	No.	
376		BLM Geothermal Main Page: Spreadsheet	DOI00019936-DOI00019936	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
377		BLM Solar Main Page: Spreadsheet	DOI00019937-DOI00019937	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
378		BLM Wind Main Page: Spreadsheet	DOI00019938-DOI00019938	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
379	11/1/2016	BOEM Notice to Lessees and Operators of Federal Oil, Gas, And Sulphur Leases, and Holders of Pipeline Right-Of-Way and Right-Of-Use and Easement Grants in the Outer Continental Shelf Gulf of Mexico & Alaska Outer Continental Shelf Regions - BOM NTL No. 2016-N03	DOI00019939-DOI00019941	Def. Fact DOI	No.	No.	
380	6/11/2016	Carbon and oxygen isotopic composition of coal and carbon dioxide derived from laboratory coal combustion: A preliminary study, Warwick, Peter D. et al	DOI00019942-DOI00019949	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
381	2015	Carbon Dioxide Storage in Unconventional Reservoirs Workshop: Summary of Recommendations	DOI00019950-DOI00019967	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
382	11/14/2016	Chemical and isotopic evidence for CO2 charge and migration within Bravo Dome and potential CO2 leakage to the southwest, Brennan, Sean T.	DOI00019968-DOI00019977	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
383	8/30/2016	Cost Implications of Uncertainty in CO2 Storage Resource Estimates: A Review, Anderson, Steven T. et al	DOI00019978-DOI00020000	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
384	6/10/2016	Determining CO2 storage potential during miscible CO2enhanced oilrecovery: Noble gas and stable isotope tracers, Shelton, Jenna L. et al	DOI00020001-DOI00020015	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
385	2015	Development of a Probabilistic Assessment Methodology for Evaluation of Carbon Dioxide Storage, Burruss, Robert C. et al USGS	DOI00020016-DOI00020104	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay)	
386	2017	DOI Adaptive Management Guide	DOI00020105-DOI00020240	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
387	7/9/2012	DOI Economic Contributions FY 2011	DOI00020241-DOI00020465	Def. Fact DOI	No.	No.	
388	8/1/2018	USGS Selected Publications from the Utilization of Carbon and other Energy Gases - Geologic Research and Assessment Project	DOI00020466-DOI00020470	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay).	
389	10/1/2017	Environmental Drivers of Differences in Microbial Community Structure in Crude Oil Reservoirs across a Methanogenic Gradient, Shelton, Jenna L. et al	DOI00020471-DOI00020482	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
390	2015	Fundamentals of Carbon Dioxide-Enhanced Oil Recovery (CO2-EOR)—A Supporting Document of the Assessment Methodology for Hydrocarbon Recovery Using CO2-EOR Associated with Carbon Sequestration, Verma, Mahendra K., et al USGS	DOI00020483-DOI00020506	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
391	9/25/2017	U.S. DOI Economic Report FY 2016	DOI00020507-DOI00020529	Def. Fact DOI	No.	No.	
392	7/29/2013	U.S. DOI Economic Report FY 2012	DOI00020530-DOI00020691	Def. Fact DOI	No.	No.	
393	7/11/2014	U.S. DOI Economic Report FY 2013 Draft	DOI00020692-DOI00020739	Def. Fact DOI	No.	No.	
394	6/23/2015	U.S. DOI Economic Report FY 2014	DOI00020740-DOI00020796	Def. Fact DOI	No.	No.	
395	6/17/2016	U.S. DOI Economic Report FY 2015	DOI00020797-DOI00020854	Def. Fact DOI	No.	No.	
396	2012	Geologic Framework for the National Assessment of Carbon Dioxide Storage Resources—Bighorn Basin, Wyoming and Montana	DOI00020855-DOI00021481	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
397	3/1/2018	BLM Geothermal Fact Sheet	DOI00021482-DOI00021482	Def. Fact DOI	No.	No.	
398	10/24/2017	Reclamation's Hydropower Program	DOI00021483-DOI00021484	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
399	5/24/2016	Impact of formation water geochemistry and crude oil biodegradation on microbial methanogenesis, Shelton, Jenna L. et al	DOI00021485-DOI00021497	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
400	7/1/2017	BOEM Wind Energy Commercial Leasing Process	DOI00021498-DOI00021499	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
401		Selected Publications from yielded by researches funded by the LandCarbon Activity of the Carbon Sequestration Program, USGS	DOI00021500-DOI00021517	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
402	6/2/2017	Mantle and crustal gases of the Colorado Plateau: Geochemistry, sources, and migration pathways, Craddock, William H. et al	DOI00021518-DOI00021546	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
403	8/7/2018	Microbial community composition of a hydrocarbon reservoir 40 years after a CO2 enhanced oil recovery flood, Shelton, Jenna L. K. et al	DOI00021547-DOI00021557	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
404	2012	Migration Rates and Formation Injectivity to Determine Containment Time Scales of Sequestered Carbon Dioxide, Burke, Lauri A., et al USGS	DOI00021558-DOI00021585	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
405	2015	National Assessment of Geologic Carbon Dioxide Storage Resources— Allocations of Assessed Areas to Federal Lands	DOI00021586-DOI00021615	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
406	9/1/2013	National Assessment of Geologic Carbon Dioxide Storage Resources— Data	DOI00021616-DOI00021639	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
407	2013	National Assessment of Geologic Carbon Dioxide Storage Resources—Methodology Implementation	DOI00021640-DOI00021674	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
408	9/1/2013	National Assessment of Geologic Carbon Dioxide Storage Resources—Results	DOI00021675-DOI00021728	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
409	9/1/2013	National Assessment of Geologic Carbon Dioxide Storage Resources—Summary	DOI00021729-DOI00021734	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
410	9/8/2016	National Offshore Wind Strategy, Facilitating the Development of the Offshore Wind Industry in the United States	DOI00021735-DOI00021818	Def. Fact DOI	No.	No.	
411	6/26/2012	New Insights Into the Nation's Carbon Storage Potential, American Geophysical Union, Vol 93, No. 26, pgs 241-248	DOI00021819-DOI00021820	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
412	4/27/2016	Acting Assistant Secretary Lawrence Roberts Announces \$9.1 Million Available for Tribal Energy and Economic Development Projects, News Release, Office of the Assistant Secretary - Indian Affairs	DOI00021821-DOI00021823	Def. Fact DOI	No.	No.	
413	3/23/2016	Indian Affairs Announces \$6.5 Million for Tribal Climate Change Adaptation and Ocean and Coastal Management Planning Projects, News Release, Office of the Assistant Secretary - Indian Affairs	DOI00021824-DOI00021826	Def. Fact DOI	No.	No.	
414	8/24/2016	Roberts Announces \$8.7 Million in Climate Adaptation, Oceans and Coastal Funding Awards, News Release, Office of the Assistant Secretary - Indian Affairs	DOI00021827-DOI00021828	Def. Fact DOI	No.	No.	
415		Noble gas geochemistry investigation of high CO2 natural gas at the LaBarge Platform, Wyoming, USA, Merrill, Matthew D. et al	DOI00021829-DOI00021833	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
416		National Park Service - Green Parks Plan Main Page	DOI00021834-DOI00021835	Def. Fact DOI	No.	No.	
417	2013	National Park Service - Green Parks Year in Review	DOI00021836-DOI00021840	Def. Fact DOI	No.	No.	
418	2014	National Park Service - Green Parks Year in Review	DOI00021841-DOI00021845	Def. Fact DOI	No.	No.	
419	2015	National Park Service - 2015 Green Parks Performance Brief	DOI00021846-DOI00021857	Def. Fact DOI	No.	No.	
420	6/1/2018	Overview of a Comprehensive Resource Database for the Assessment of Recoverable Hydrocarbons Produced by Carbon Dioxide Enhanced Oil Recovery, USGS	DOI00021858-DOI00021903	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	

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421	2017	Physical Properties of Sidewall Cores from Decatur, Illinois, USGS	DOI00021904-DOI00021930	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
422	2015	Play-Level Distributions of Estimates of Recovery Factors for a Miscible Carbon Dioxide Enhanced Oil Recovery Method Used in Oil Reservoirs in the Conterminous United States, USGS	DOI00021931-DOI00021978	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
423	2011	Baseline and Projected Future Carbon Storage and Greenhouse-Gas Fluxes in the Great Plains Region of the United States, Professional Paper 1787, USGS	DOI00021979-DOI00022018	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
424	2012	Baseline and Projected Future Carbon Storage and Greenhouse-Gas Fluxes in Ecosystems of the Western United States, Professional Paper 1797, USGS	DOI00022019-DOI00022224	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
425	2014	Baseline and Projected Future Carbon Storage and Greenhouse-Gas Fluxes in Ecosystems of the Eastern United States, Professional Paper 1804, USGS	DOI00022225-DOI00022438	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
426	2016	Baseline and Projected Future Carbon Storage and Greenhouse-Gas Fluxes in Ecosystems of Alaska, Professional Paper 1826, USGS	DOI00022439-DOI00022646	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
427	2017	Baseline and Projected Future Carbon Storage and Carbon Fluxes in Ecosystems of Hawai'i, Professional Paper 1834, USGS	DOI00022647-DOI00022792	Def. Fact DOI	No.	No.	
428	2012	Preliminary Catalog of the Sedimentary Basins of the United States, Coleman, James L. Jr., et al USGS	DOI00022793-DOI00022823	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
429	3/8/2018	Principal Deputy Assistant Secretary Tahsuda Approves 10 Tribal Land Leasing Codes under the HEARTH Act, Indian Affairs	DOI00022824-DOI00022825	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
430	2/1/2016	Profiles of Reservoir Properties of Oil-Bearing Plays for Selected Petroleum Provinces in the United States, Freeman, Philip A., et al USGS	DOI00022826-DOI00022900	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative).	
431	6/1/2013	The Bureau of Reclamation's Sustainable Energy Strategy, FY 2013-2017, BOR	DOI00022901-DOI00022933	Def. Fact DOI	No.	No.	
432	6/1/2018	BOEM's Renewable Energy Program Information Sheet	DOI00022934-DOI00022935	Def. Fact DOI	No.	No.	
433	1/1/2017	Risk, Liability, and Economic Issues with Long-Term CO2 Storage—A Review, Anderson, Steven T. Natural Resources Research, Vol. 26, No. 1	DOI00022936-DOI00022959	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
434		Seismic monitoring at the Decatur, IL, CO2 sequestration demonstration site, Kaven, J. Ole et al	DOI00022960-DOI00022968	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative)	
435		Significance of carbon dioxide density estimates for basin-scale storage resource assessments, Buursink, Marc L. et al	DOI00022969-DOI00022979	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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436	2/26/2018	Simulating the Evolution of Fluid Underpressures in the Great Plains, by Incorporation of Tectonic Uplift and Tilting, with a Groundwater Flow Model, Umari, Amjad M. et al	DOI00022980-DOI00023010	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
437	2010	A Method for Assessing Carbon Stocks, Carbon Sequestration, and Greenhouse-Gas Fluxes in Ecosystems of the United States Under Present Conditions and Future Scenarios, USGS	DOI00023011-DOI00023220	Def. Fact DOI	No.	No.	
438		BLM Solar Power Fact Sheet	DOI00023221-DOI00023221	Def. Fact DOI	No.	No.	
439	3/1/2011	The Concept of Geologic Carbon Sequestration, Duncan, Douglas W., USGS	DOI00023222-DOI00023223	Def. Fact DOI	No.	No.	
440		The U. S. Geological Survey carbon dioxide storage efficiency value methodology: results and observations, Brennan, Sean T. et al	DOI00023224-DOI00023230	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
441	2017	Three Approaches for Estimating Recovery Factors in Carbon Dioxide Enhanced Oil Recovery, USGS	DOI00023231-DOI00023318	Def. Fact DOI	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
442		U.S. Geological Survey Carbon Sequestration – Geologic Research and Assessments, Warwick, Peter D. et al	DOI00023319-DOI00023323	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
443	3/31/2018	BLM Wind Power Fact Sheet	DOI00023324-DOI00023324	Def. Fact DOI	No.	No.	
444	2018	A remote sensing-based model of tidal marsh aboveground carbon stocks for the conterminous United States. Byrd, K.B., ISPRS Journal of Photogrammetry and Remote Sensing 139, 255-271	DOI00023325-DOI00023341	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
445	2018	Integrating continuous stocks and flows into state-and-transition simulation models of landscape change: Methods in Ecology and Evolution, Daniel, C.J.	DOI00023342-DOI00023352	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
446	2018	The approaching obsolescence of 137Cs dating of wetland soils in North America: Quaternary Science Reviews 199, 83-96, Drexler, J.Z., Fuller, C.C.	DOI00023353-DOI00023366	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
447	3/6/2018	Modeling Wildfire-Induced Permafrost Deformation in an Alaskan Boreal Forest Using InSAR Observations: Eshqi Molan, Y. et al, Remote Sens. 2018, 10, 405	DOI00023367-DOI00023383	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
448	2018	Assessing historical and projected carbon balance of Alaska: A synthesis of results and policy/management implications: McGuire, A. D. et al, Ecological Society of America 28:6, 1396-1412	DOI00023384-DOI00023400	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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449	6/18/2018	Adaptation with climate uncertainty: An examination of agricultural land use in the United States: Mu, Jianhong E. et al, Land Use Policy, v. 77, p. 392-401	DOI00023401-DOI00023410	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
450	4/4/2018	Carbon budget of tidal wetlands, estuaries, and shelf waters of Eastern North America: Global Biogeochemical Cycles, Najjar, R. G. et al	DOI00023411-DOI00023438	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
451	2018	Spatiotemporal remote sensing of ecosystem change and causation across Alaska: Pastick, Neal J., M. et al, Glob Change Biol. 2018; 1-19	DOI00023439-DOI00023457	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
452	8/11/2018	Estimating the Societal Benefits of Carbon Dioxide Sequestration Through Peatland Restoration: Pindilli, Emily et al, Ecological Economics 154 (2018) 145-155	DOI00023458-DOI00023468	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
453	2018	Effects of contemporary land-use and land-cover change on the carbon balance of terrestrial ecosystems in the United States: Sleeter, Benjamin M. et al, Environ. Res. Lett., v. 13, n. 4	DOI00023469-DOI00023482	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
454	2017	Direct and indirect controls on organic matter decomposition in four coastal wetland communities along a landscape salinity gradient: Stagg, C.L., M.M. Baustian, et al J. Ecol; 106:655-670	DOI00023483-DOI00023498	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay).	
455	2018	Dissolved organic carbon and nitrogen release from boreal Holocene permafrost and seasonally frozen soils of Alaska: Wickland, KP et al, Environ. Res. Lett., 13 065011	DOI00023499-DOI00023510	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
456	2018	Potential for negative emissions of greenhouse gases (CO ₂ , CH ₄ and N ₂ O) through coastal peatland re-establishment: Novel insights from high frequency flux data at meter and kilometer scales: Windham-Myers, Lisamarie et al, Environ. Res. Lett., v. 13, n. 4	DOI00023511-DOI00023524	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
457	2/1/2018	Downscaling of Surface Soil Moisture Retrieval by Combining MODIS/Landsat and In Situ Measurements: Xu, C. et al, Remote Sensing, v. 10, n. 2, p. 210	DOI00023525-DOI00023540	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
458	3/5/2018	Integrating forest inventory data and MODIS data to map species-level biomass in Chinese boreal forests: Zhang, Q. et al, Can. J. For. Res. 1-19	DOI00023541-DOI00023559	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
459	6/15/2018	Assessing the Effects of Fire Disturbances and Timber Management on Carbon Storage in the Greater Yellowstone Ecosystem: Zhao, F. et al, Environmental Management, p. 1-11	DOI00023560-DOI00023570	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
460	2018	The role of environmental driving factors in historical and projected carbon dynamics of wetland ecosystems in Alaska: Zhou, L. et al, Ecological Applications, 0(0), 1-19	DOI00023571-DOI00023589	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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461	6/20/2017	Historical changes in organic matter input to the muddy sediments along the Zhejiang-Fujian Coast, China over the past 160 years: Chen, Lilei et al, Organic Geochemistry, v. 111, 2017, p. 13-25	DOI00023590-DOI00023602	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
462	2017	Integrating continuous stocks and flows into state-and-transition simulation models of landscape change: Daniel, C.J., Methods in Ecology and Evolution,	DOI00023603-DOI00023613	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
463	2017	The role of driving factors in historical and projected carbon dynamics of upland ecosystems in Alaska: Genet, Hélène, Ecological Applications, 28(1), 2018, pp. 5-27	DOI00023614-DOI00023636	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
464	4/5/2017	A coupled modeling framework for predicting ecosystem carbon dynamics in boreal forests: Huang, C. et al, Environmental Monitoring, v. 93, p. 332–343	DOI00023637-DOI00023648	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
465	12/14/2017	In situ nuclear magnetic resonance response of permafrost and active layer soil in boreal and tundra ecosystems: Kass, M.A. et al, The Cryosphere, v. 11, n. 6, p. 2943-2955	DOI00023649-DOI00023661	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
466	6/13/2017	Characterizing hydrologic changes of the Great Dismal Swamp using SAR/InSAR: Kim, Jin-Woo et al, Remote Sensing of Environment, v. 198, p. 187–202	DOI00023662-DOI00023677	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
467	9/8/2017	Evaluating the role of land cover and climate uncertainties in computing gross primary production in Hawaiian Island ecosystems: Kimball, H.L., PLoS ONE, v. 12, n. 9, e0184466	DOI00023678-DOI00023691	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
468	2017	Tracer-based evidence of heterogeneity in subsurface flow and storage within a boreal hillslope :Koch, Joshua C et al., Hydrological Processes, v. 31, p. 2453-2463	DOI00023692-DOI00023702	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
469	9/20/2017	Restoring tides to reduce methane emissions in impounded wetlands: a new and potent Blue Carbon intervention: Kroeger, KD, Scientific Reports 7, Article number: 11914, doi:10.1038/s41598-017-12138-4	DOI00023703-DOI00023714	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
470	2017	Organic carbon burial in global lakes and reservoirs: Mendonça, Raquel, Nature Communications, v. 8, n. 1694, 7 p	DOI00023715-DOI00023721	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
471	8/9/2017	Climate impacts on agricultural land use in the USA: the role of socio-economic scenarios: Mu, Jianhong E. et al, Climatic Change, p. 1–17	DOI00023722-DOI00023738	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
472	8/12/2017	Benefits of the fire mitigation ecosystem service in The Great Dismal Swamp National Wildlife Refuge, Virginia, USA: Parthum, Bryan et al, Journal of Environmental Management, v. 203, n. 1, p. 375-382	DOI00023739-DOI00023746	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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473	2017	Historical and projected trends in landscape drivers affecting carbon dynamics in Alaska: Pastick, Neal J. et al, Ecological Applications, v. 27, p. 1383-1402	DOI00023747-DOI00023766	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
474	2/23/2017	Delta-Flux: An Eddy Covariance Network for a Climate-Smart Lower Mississippi Basin: Runkle, Benjamin R.K. et al, Agricultural & Environmental Letters, 5 p.	DOI00023767-DOI00023771	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
475	2017	Baseline and projected future carbon storage and carbon fluxes in ecosystems of Hawai'i: Selmants, P.C., U.S. Geological Survey Professional Paper 1834, 134 p	DOI00023772-DOI00023917	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
476	2017	A carbon balance model for the great dismal swamp ecosystem: Sleeter, Rachel	DOI00023918-DOI00023937	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
477	2017	Inland waters and their role in the carbon cycle of Alaska: Stackpoole, Sarah M. et al, Ecological Applications, v. 27, n. 5, p. 1403-1420	DOI00023938-DOI00023955	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
478	4/11/2017	Carbonate buffering and metabolic controls on carbon dioxide in rivers: Stets, Edward G. et al, Global Biogeochemical Cycles, v. 31, p. 663-677	DOI00023956-DOI00023970	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
479	8/16/2017	Biological and land use controls on the isotopic composition of aquatic carbon in the Upper Mississippi River Basin: Voss, B.M., Global Biogeochemical Cycles, v. 31, p. 1271-1288	DOI00023971-DOI00023988	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
480	2016	Assessing wildlife benefits and carbon from restored and natural coastal marshes in the Nisqually River delta: Determining marsh net ecosystem carbon balance: Anderson, Frank et al, U.S. Geological Survey Fact Sheet 2016-3042, 2 p	DOI00023989-DOI00023990	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
481	2016	Variation of energy and carbon fluxes from a restored temperate freshwater wetland and implications for carbon market verification protocols: Anderson, F.E. et al, Journal of Geophysical Research Biogeosciences, v.121, n. 3, p. 777-795	DOI00023991-DOI00024009	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
482	2016	Rapid forest carbon assessments of oceanic islands- a case study of the Hawaiian archipelago: Asner, G. P. et al, Carbon Balance and Management, v. 11, n. 1, 13 p	DOI00024010-DOI00024022	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
483	2016	Total belowground carbon flux in subalpine forests is related to leaf area index, soil nitrogen and tree height: Berryman, E. et al, Ecosphere, v. 7, no. 8	DOI00024023-DOI00024038	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
484	2016	Landscape Effects of Wildfire on Permafrost Distribution in Interior Alaska Derived from Remote Sensing: Brown, D.R.N. et al, Remote Sensing, v. 8, n.8, p. 654	DOI00024039-DOI00024060	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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485	2016	Forecasting tidal marsh elevation and habitat change through fusion of Earth observations and a process model: Byrd, K. B. et al, Ecosphere, v. 7, n. 11 e01582	DOI00024061-DOI00024087	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
486	2016	Temperature response of soil respiration largely unaltered with experimental warming: Carey, J. C. et al, Proceedings of the National Academy of Sciences	DOI00024088-DOI00024093	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
487	2016	The spatial variation in forest burn severity in Heilongjiang Province, China: Chang, Yu et al, Natural Hazards, 81(2): 981-1001	DOI00024094-DOI00024114	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
488	2016	Basin scale controls on CO2 and CH4 emissions from the Upper Mississippi River: Crawford, J.T. et al, Geophysical Research Letters, v. 43	DOI00024115-DOI00024121	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
489	2016	State-and-transition simulation models- a framework for forecasting landscape change: Daniel, Colin et al, Methods in Ecology and Evolution	DOI00024122-DOI00024132	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
490	2016	Consequences of changes in vegetation and snow cover for climate feedbacks in Alaska and northwest Canada: Euskirchen, E.S., Environmental Research Letters, v. 11, n. 10	DOI00024133-DOI00024152	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
491	2016	Component greenhouse gas fluxes and radiative balance from two deltaic marshes in Louisiana: pairing chamber techniques and eddy covariance: Krauss, K.W. et al, Journal of Geophysical Research Biogeosciences	DOI00024153-DOI00024171	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
492	2016	Forest disturbance interactions and successional pathways in the Southern Rocky Mountains: Liang, Lu et al, Forest Ecology and Management, v. 375, p. 35-45	DOI00024172-DOI00024182	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
493	2016	Estimating carbon sequestration in the piedmont ecoregion of the United States from 1971 to 2010: Liu, Jinxun et al, Carbon Balance and Management, v. 11, n. 10	DOI00024183-DOI00024195	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
494	2016	Evidence for nonuniform permafrost degradation after fire in boreal landscapes: Minsley, B., J. et al, Geophys. Res. Earth Surf., 121	DOI00024196-DOI00024211	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
495	2016	Carbon dioxide fluxes reflect plant zonation and below ground biomass in a coastal marsh: Moseman-Valtierra, S et al, Ecosphere 7(11): e01560. 10.1002/ecs2.1560	DOI00024212-DOI00024232	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
496	2016	Multi-decadal increases in dissolved organic carbon and alkalinity flux from the Mackenzie drainage basin to the Arctic Ocean: Tank, S.E. et al, Environmental Research Letters, v. 11, n. 5.	DOI00024233-DOI00024243	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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497	2016	Regional-scale controls on dissolved nitrous oxide in the Upper Mississippi River: Turner, P.A. et al, Geophysical Research Letters	DOI00024244-DOI00024251	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
498	2016	Intertidal salt marshes as an important source of inorganic carbon to the coastal ocean: Wang, Z. A. et al, Limnology and Oceanography	DOI00024252-DOI00024267	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
499	2016	Inter-annual variability of area-scaled gaseous carbon emissions from wetland soils in the Liaohe Delta, China: Ye, Siyuan et al, PLOS ONE	DOI00024268-DOI00024287	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
500	2016	Baseline and projected future carbon storage and greenhouse-gas fluxes in ecosystems of Alaska: Zhu, Zhiliang, U.S. Geological Survey Professional Paper 1826, 196 p	DOI00024288-DOI00024495	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
501	2015	Projected carbon stocks in the conterminous USA with land use and variable fire regimes: Bachelet, D., Global Change Biology	DOI00024496-DOI00024508	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
502	2015	Aquatic carbon cycling in the conterminous United States and implications for terrestrial carbon accounting: Butman, David et al, Proceedings of the Nat'l Academy of Sciences of the U.S., v. 113, n. 1, p. 58-63	DOI00024509-DOI00024514	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
503	2015	Integrated climate and land use change scenarios for California rangeland ecosystem services: wildlife habitat, soil carbon, and water supply: Byrd, K.B. et al, Landscape Ecology	DOI00024515-DOI00024536	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
504	2015	Environmental controls on the characteristics of mean number of forest fires and mean forest area burned (1987–2007) in China: Chang, Yu et al, Data in Brief, v. 4, p. 563-565	DOI00024537-DOI00024545	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
505	2015	Organic Carbon Burial in Lakes and Reservoirs of the Conterminous United States: Clow, David W. et al, Environmental Science & Technology	DOI00024546-DOI00024554	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
506	2015	Source limitation of carbon gas emissions in high-elevation mountain streams and lakes: Crawford, J.T. et al, Journal of Geophysical Research Biogeosciences, v. 120	DOI00024555-DOI00024567	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
507	2015	Projecting the spatiotemporal carbon dynamics of the Greater Yellowstone Ecosystem from 2006 to 2050: Huang, S. et al, 10:7	DOI00024568-DOI00024582	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
508	2015	Spatially explicit estimation of aboveground boreal forest biomass in the Yukon River Basin, Alaska: Ji, L. et al., International Journal of Remote Sensing, 36:4, 939-953	DOI00024583-DOI00024598	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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509	2015	Sensitivity of airborne geophysical data to sublacustrine and near-surface permafrost thaw: Minsley, B.J. et al, The Cryosphere, 9(2), 781-794	DOI00024599-DOI00024612	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
510	2015	Distribution of near-surface permafrost in Alaska: Estimates of present and future conditions: Pastick, N.J. et al, Remote Sensing of Environment, v. 168, p. 301-315	DOI00024613-DOI00024627	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
511	2015	Quantifying soil carbon loss and uncertainty from a peatland wildfire using multi-temporal LiDAR: Reddy, A.D. et al, Remote Sensing of Environment, v. 170, p. 306-316	DOI00024628-DOI00024638	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
512	2015	Downscaling global land-use/land-cover projections for use in region-level state-and-transition simulation modeling: Sherba, J.T. et al, AIMS Environmental Science 2(3): 623-647	DOI00024639-DOI00024663	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
513	2015	An integrated approach to modeling changes in land use, land cover, and disturbance and their impact on ecosystem carbon dynamics: a case study in the Sierra Nevada Mountains of California: Sleeter, B.M. et al, AIMS Environmental Science 2(3): 577-606	DOI00024664-DOI00024693	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
514	2015	Methods used to parameterize the spatially-explicit components of a state-and-transition simulation model: Sleeter, R.R. et al, AIMS Environmental Science 2(3): 668-696	DOI00024694-DOI00024719	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
515	2015	Ecosystem carbon stocks and sequestration potential of federal lands across the conterminous United States: Tan, Zhengxi et al, Proceedings of the National Academy of Sciences of the United States of America	DOI00024720-DOI00024725	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
516	2015	Land-use impacts on water resources and protected areas: applications of state-and-transition simulation modeling of future scenarios: Wilson, T.S. et al, AIMS Environmental Science 2(2): 282-301	DOI00024726-DOI00024745	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
517	2015	Potential future land use threats to California's protected areas: Wilson, T.S. et al, Regional Environmental Change	DOI00024746-DOI00024759	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
518	2015	Projection of corn production and stover-harvesting impacts on soil organic carbon dynamics in the U.S. Temperate Prairies: Wu, Y. et al, Scientific Reports 5, Article number 10830	DOI00024760-DOI00024771	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
519	2015	Quantitative attribution of major driving forces on soil organic carbon dynamics: Wu, Y. et al, J. Adv. Model. Earth Syst., 7, 21-34	DOI00024772-DOI00024785	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
520	2015	Comparing historical and current wildfire regimes in the Northern Rocky Mountains using a landscape succession model: Zhao, F., Forest Ecology and Management 343 (2015) 9-21	DOI00024786-DOI00024798	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
521	2014	The Carbon Cycle and Hurricanes in the United States between 1900 and 2011: Dahal, D. et al, Scientific Reports 4, Article number: 5197	DOI00024799-DOI00024808	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
522	2014	234U/238U and 887Sr/86Sr in Peat as Tracers of Paleosalinity in the Sacramento-San Joaquin Delta of California, USA: Drexler, J.Z. et al, Applied Geochemistry 40: 164-179	DOI00024809-DOI00024824	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
523	2014	Mapping Mountain Pine Beetle Mortality through Growth Trend Analysis of Time-Series Landsat Data: Lu Liang, Remote Sensing	DOI00024825-DOI00024845	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
524	2014	Spatial variability and landscape controls of near-surface permafrost within the Alaskan Yukon River Basin: Pastick, N.J. et al, Journal of Geophysical Research Biogeosciences, v. 119, p. 1244-1265	DOI00024846-DOI00024867	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
525	2014	Distribution and landscape controls of organic layer thickness and carbon within the Alaskan Yukon River Basin: Pastick, N.J. et al, Geoderma 230-231: 79-94	DOI00024868-DOI00024883	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
526	2014	Spatially explicit modeling of 1992 - 2100 land cover and forest stand age for the conterminous United States: Sohl, T.L. et al, Ecological Applications 24(5): 1015-1036	DOI00024884-DOI00024905	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
527	2014	The impact of climate and reservoirs on longitudinal riverine carbon fluxes from two major watersheds in the Central and Intermontane West: Stackpoole, S. M. et al, Journal of Geophysical Research Biogeosciences, v. 119, p. 848-863	DOI00024906-DOI00024921	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
528	2014	Effects of disturbance and climate change on ecosystem performance in the Yukon River Basin boreal forest: Wylie, B.K. et al, Remote Sensing, v. 6, no. 10, p. 9145-9169	DOI00024922-DOI00024946	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
529	2014	Evaluation of a model framework to estimate soil and soil organic carbon redistribution by water and tillage using 137Cs in two U.S. Midwest agricultural fields: Young, C.J., Geoderma 232-234, 2014, p. 437-	DOI00024947-DOI00024958	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
530	2014	Baseline and projected future carbon storage and greenhouse-gas fluxes in ecosystems of the eastern United States: Zhu, Zhiliang et al, U.S. Geological Survey Professional Paper: 1804, 204 p	DOI00024959-DOI00025172	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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531	2013	Quantifying climate change mitigation potential in the United States Great Plains wetlands for three greenhouse gas emission scenarios: Byrd, K. et al, Mitigation and Adaptation Strategies for Global Change: 1-27	DOI00025173-DOI00025199	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
532	2013	Simulated impacts of mountain pine beetle and wildfire disturbances on forest vegetation composition and carbon stocks in the Southern Rocky Mountains: Caldwell, M.K. et al, Biogeosciences, 10, 8203-8222	DOI00025200-DOI00025219	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
533	2013	Mountain Pine Beetle Impacts on Vegetation and Carbon Stocks: Hawbaker, T.J. et al, U.S. Geological Survey Fact Sheet 2013-3095, 2 p	DOI00025220-DOI00025221	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
534	2013	Inorganic carbon loading as a primary driver of dissolved carbon dioxide concentrations in the lakes and reservoirs of the contiguous United States: McDonald, C.P. et al, Global Biogeochemical Cycles	DOI00025222-DOI00025232	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
535	2013	Extending Airborne Electromagnetic Surveys for Regional Active Layer and Permafrost Mapping with Remote Sensing and Ancillary Data, Yukon Flats Ecoregion, Central Alaska: Pastick, N.J. et al, Permafrost Periglac. Process	DOI00025233-DOI00025248	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
536	2013	Land use and carbon dynamics in the southeastern United States from 1992 to 2050: Zhao, S. et al, Environ. Res. Lett. 8 (2013) 044022	DOI00025249-DOI00025258	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
537	2013	Effect of heterogeneous atmospheric CO ₂ on simulated global carbon budget: Zhang, Z. et al, Global and Planetary Change, v. 101, p. 33-51	DOI00025259-DOI00025277	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), Er 801, 802 (Hearsay)	
538	2012	Tidally driven export of dissolved organic carbon, total mercury, and methylmercury from a mangrove-dominated estuary: Bergamaschi, B.A. et al, Environmental Science & Technology 46(3):1371-1378	DOI00025278-DOI00025285	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), Er 801, 802 (Hearsay)	
539	2012	The regional abundance and size distribution of lakes and reservoirs in the United States and implications for estimates of global lake extent: McDonald, C.P., Limnol. Oceanogr., 57(2), 597-606	DOI00025286-DOI00025295	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
540	2012	Airborne electromagnetic imaging of discontinuous permafrost: Minsley, B.J., Geophysical Research Letters, v. 39, p. L02503	DOI00025296-DOI00025303	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), Er 801, 802 (Hearsay)	
541	2012	Scenarios of land use and land cover change in the conterminous United States: Utilizing the special report on emission scenarios at ecoregional scales: Sleeter, B.M. et al, Global Environmental Change, 22(4): 896-914	DOI00025304-DOI00025322	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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542	2012	A land-use and land-cover modeling strategy to support a national assessment of carbon stocks and fluxes: Sohl, T.L. et al, Applied Geography: 34:111-124	DOI00025323- DOI00025336	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
543	2012	Spatially explicit land-use and land-cover scenarios for the Great Plains of the United States: Sohl, T.L. et al, Agriculture, Ecosystems and Environment 153, pp 1-15	DOI00025337- DOI00025351	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
544	2012	New insights into the Nation's carbon storage potential: Warwick, P. et al, Eos, 93(26):241-242	DOI00025352- DOI00025353	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
545	2012	Future Scenarios of Land-Use and Land-Cover Change in the United States: The Marine West Coast Forests Ecoregion: Wilson, T.S. et al, U. S. Geological Survey Open File Report 2012-1252, 23p.	DOI00025354- DOI00025371	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
546	2012	Baseline and projected future carbon storage and greenhouse-gas fluxes in ecosystems of the Western United States: Zhu, Zhiliang et al, U.S. Geological Survey Professional Paper 1797, 192 p	DOI00025372- DOI00025577	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay).	
547	2011	Significant efflux of carbon dioxide from streams and rivers in the United States: Butman, D et al, Nature Geoscience, advance online letter published October 16, 2011	DOI00025578- DOI00025581	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
548	2011	Simulating the impacts of disturbances on forest carbon cycling in North America; processes, data, models, and challenges: Liu, S et al, Journal of Geophysical Research, v. 116, G00K08, 22 p	DOI00025582- DOI00025603	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
549	2011	Estimating California ecosystem carbon change using process model and land cover disturbance data: 1951-2000: Ecological Modeling, 222: 2333-2341	DOI00025604- DOI00025612	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
550	2011	Derived crop management data for the LandCarbon project: Schmidt, Gail, U.S. Geological Survey Open-File Report, 2011-1305, 15 p	DOI00025613- DOI00025636	Def. Fact DOI	No.	No.	
551	2011	Baseline and projected future carbon storage and greenhouse-gas fluxes in the Great Plains region of the United States: Zhu, Zhiliang, U.S. Geological Survey Professional Paper 1787, 28 p	DOI00025637- DOI00025676	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	
552	2010	Automated masking of cloud and cloud shadow for forest change analysis using Landsat images: Chengquan Huang, International Journal of Remote Sensing, v. 31, no. 20, p. 5449-5464	DOI00025677- DOI00025693	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (Hearsay)	

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553	2010	A method for assessing carbon stocks, carbon sequestration, and greenhouse-gas fluxes in ecosystems of the United States under present conditions and future scenarios: Zhu, Zhiliang et al, U.S. Geological Survey Scientific Investigations Report 2010 - 5233, 188	DOI00025694-DOI00025903	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
554	2018	Placeholder - Collection, analysis, and age-dating of sediment cores from salt marshes on the south shore of Cape Cod, Massachusetts, from 2013 through 2014: Gonneea, M.E. et al, U.S. Geological Survey data release	DOI00025904	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
555	2018	Placeholder - Soil flux (CO ₂ , CH ₄), soil temperature, and soil moisture measurements at the Great Dismal Swamp National Wildlife Refuge (2015 - 2017): Gutenberg, L et al, U.S. Geological Survey data release	DOI00025905	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
556	2017	Placeholder - Biomass/Remote Sensing dataset: 30m resolution tidal marsh biomass samples and remote sensing data for six regions in the conterminous United States: Byrd, K.B. et al, U.S. Geological Survey data release	DOI00025906	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
557	2016	Placeholder - Data compilation of soil respiration, moisture, and temperature measurements from global warming experiments from 1994-2014: Carey, J.C. et al, U.S. Geological Survey data release	DOI00025907	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
558	2015	Placeholder - Fire impacts on permafrost in Alaska: Geophysical and other field data collected in 2014: Minsley, B.J. et al, U.S. Geological Survey data release	DOI00025908	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
559	2015	Placeholder: Probabilistic estimates of the distribution of near-surface (within 1m) permafrost in Alaska: Pastick, N.J. et al, U.S. Geological Survey data release	DOI00025909	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
560	2014	Placeholder - Map database of land use threats in the Pacific Northwest: Wilson, T.S. et al, Conservation Biology Institute	DOI00025910	Def. Fact DOI	Yes. ER 602 (lack of foundation); ER 901 (lack of authentication)	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
561	6/1/2009	US Global Change Research Program: Global Climate Change Impacts in the US brochure	OSTP0000001-OSTP0000002	Def. Fact OSTP	No.	No.	
562	6/1/2009	US Global Change Research Program: Global Climate Change Impacts in the US, Highlights brochure	OSTP0000003-OSTP0000022	Def. Fact OSTP	No.	No.	
563	11/1/2013	US Global Change Research Program: Resources for Evaluating & Monitoring Climate Change Adaptation Actions in Coastal Regions: An Annotated Bibliography	OSTP0000023-OSTP0000054	Def. Fact OSTP	No.	No.	
564	4/28/2015	US Global Change Research Program: Climate Change Adaptation in the US Federal Natural Resource Science & Management Agencies: A Synthesis	OSTP0000055-OSTP0000143	Def. Fact OSTP	No.	No.	

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565		Weather and Climate Extremes in a Changing Climate, Frequently Asked Questions brochure	OSTP0000144-OSTP0000145	Def. Fact OSTP	No.	No.	
566	4/23/2015	US Global Change Research Program: Interagency Crosscutting Group on Climate Change & Human Health fact sheet	OSTP0000162-OSTP0000163	Def. Fact OSTP	No.	No.	
567	10/1/2014	Colorado, Observed Trends & Projected Future Conditions for Climate Change Preparedness & Resilience brochure	OSTP0000164-OSTP0000171	Def. Fact OSTP	No.	No.	
568	10/1/2014	Houston-Galveston, TX, Observed Trends & Projected Future Conditions for Climate Change Preparedness & Resilience brochure	OSTP0000172-OSTP0000179	Def. Fact OSTP	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
569	5/1/2008	Report of the Committee on Environment & Natural Resources: Scientific Assessment of Effects of Global Climate Change on the US	OSTP0000180-OSTP0000450	Def. Fact OSTP	No.	No.	
570	1/1/2006	Overview of the US Climate Change Science Program	OSTP0000451-OSTP0000452	Def. Fact OSTP	No.	No.	
571	1/1/2006	Overview of the US Climate Change Science Program Research Elements	OSTP0000453-OSTP0000454	Def. Fact OSTP	No.	No.	
572	5/1/2008	Revised Research Plan for the U.S. Climate Change Science Program	OSTP0000455-OSTP0000542	Def. Fact OSTP	No.	No.	
573	9/1/2007	US Climate Change Science Program Synthesis and Assessment Products	OSTP0000543-OSTP0000546	Def. Fact OSTP	No.	No.	
574	5/1/2008	US Climate Change Science Program: Scientific Assessment of Effects of Global Climate Change on the US	OSTP0000547-OSTP0000550	Def. Fact OSTP	No.	No.	
575	7/1/2003	Report: Strategic Plan for the US Climate Change Science Program	OSTP0000551-OSTP0000761	Def. Fact OSTP	No.	No.	
576	3/1/2009	U.S. Global change Research Program: Climate Literacy, Essential Principles of Climate Science	OSTP0000762-OSTP0000779	Def. Fact OSTP	No.	No.	
577	2016	U.S. Global Change Research Program: Executive Summary: Impacts of Climate Change on Human Health in the US	OSTP0000798-OSTP0000821	Def. Fact OSTP	No.	No.	
578	6/1/2009	U.S. Global Change Research Program: Global Climate Change Impacts in the US	OSTP0000846-OSTP0001041	Def. Fact OSTP	No.	No.	
579	11/30/2010	US Global Change Research Program: US National Climate Assessment, NCA Report Series, Vol. 5a	OSTP0001082-OSTP0001113	Def. Fact OSTP	No.	No.	
580	8/1/2014	DOE: Energy Literacy guide	OSTP0001114-OSTP0001133	Def. Fact OSTP	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
581	8/1/2013	US Global Change Research Program: FY 2013 Federal Agency Climate Change Adaptation Plans: Summary of Research and Information Needs	OSTP0001135-OSTP0001177	Def. Fact OSTP	No.	No.	
582	9/20/2010	US Global Change Research Program: US National Climate Assessment, MCA Report Series, Vol. 3	OSTP0001178-OSTP0001209	Def. Fact OSTP	No.	No.	

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583		The Corn and Climate Report: Practical Guide to Help Midwestern Farmers Understand & Respond to Climate Change	OSTP0001210-OSTP0001274	Def. Fact OSTP	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
584	1/1/2015	US Global Change Research Program: Need and Options for Subnational Scale Land-Use and Land-Cover Scenarios for the United States	OSTP0001275-OSTP0001322	Def. Fact OSTP	No.	No.	
585	2/22/2010	US Global Change Research Program: US National Climate Assessment, NCA Report Series, Vol. I	OSTP0001323-OSTP0001358	Def. Fact OSTP	No.	No.	
586	12/8/2010	US Global Change Research Program: Climate Change Modeling & Downscaling, NCA Report Series, Vol. 7	OSTP0001359-OSTP0001408	Def. Fact OSTP	No.	No.	
587	12/1/2016	US Global Change Research Program: Understanding Dynamics & Resilience in Complex Interdependent Systems	OSTP0001409-OSTP0001503	Def. Fact OSTP	No.	No.	
588	8/1/2016	US Global Change Research Program: Multi-Scale Economic Methodologies & Scenarios Workshop	OSTP0001504-OSTP0001576	Def. Fact OSTP	No.	No.	
589	1/19/2011	US Global Change Research Program: US National Climate Assessment, NCA Report Series, Vol. 9	OSTP0001577-OSTP0001612	Def. Fact OSTP	No.	No.	
590	5/1/2014	US Global Change Research Program: Climate Change Impacts in the US, Highlights	OSTP0001613-OSTP0001760	Def. Fact OSTP	No.	No.	
591	2014	US Global Change Research Program: Overview, Climate Change Impacts in the US	OSTP0001761-OSTP0001771	Def. Fact OSTP	No.	No.	
592	2000	Report of the National Assessment Synthesis Team: Climate Change Impacts on the US: Potential Consequences of Climate Variability & Change	OSTP0001772-OSTP0002293	Def. Fact OSTP	No.	No.	
593	12/6/2018	US Global Change Research Program: Scenarios for Research & Assessment of Our Climate Future, Issues & Methodological Perspectives	OSTP0002457-OSTP0002536	Def. Fact OSTP	No.	No.	
594	7/1/1989	Report by the Committee on Earth Sciences: Our Changing Planet, FY 1990 Research Plan	OSTP0002537-OSTP0002586	Def. Fact OSTP	No.	No.	
595	1991	Report by the Committee on Earth Sciences: Our Changing Planet, FY 1991	OSTP0002587-OSTP0002659	Def. Fact OSTP	No.	No.	
596	1992	Report by the Committee on Earth & Environmental Sciences: Our Changing Planet, FY 1992	OSTP0002660-OSTP0002760	Def. Fact OSTP	No.	No.	
597	1993	Report by the Committee on Earth & Environmental Sciences: Our Changing Planet, FY 1993	OSTP0002761-OSTP0002851	Def. Fact OSTP	No.	No.	
598	1994	Report by the Committee on Earth & Environmental Sciences: Our Changing Planet, FY 1994	OSTP0002852-OSTP0002951	Def. Fact OSTP	No.	No.	
599	1995	Report by the Committee on Environment & natural Resources Research: Our Changing Planet, FY 1995	OSTP0002952-OSTP0003096	Def. Fact OSTP	No.	No.	
600	1996	Report by the Subcommittee on Global Change Research: Our Changing Planet, FY 1996	OSTP0003097-OSTP0003258	Def. Fact OSTP	No.	No.	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
601	1997	Report by the Subcommittee on Global Change Research: Our Changing Planet, FY 1997	OSTP0003259-OSTP0003430	Def. Fact OSTP	No.	No.	
602	1998	Report by the Subcommittee on Global Change Research: Our Changing Planet, FY 1998	OSTP0003431-OSTP0003558	Def. Fact OSTP	No.	No.	
603	1999	Report by the Subcommittee on Global Change Research: Our Changing Planet, FY 1999	OSTP0003559-OSTP0003698	Def. Fact OSTP	No.	No.	
604	2000	Report by the Subcommittee on Global Change Research: Our Changing Planet, FY 2000	OSTP0003699-OSTP0003810	Def. Fact OSTP	No.	No.	
605	2002	Report by the Subcommittee on Global Change Research: Our Changing Planet, FY 2002	OSTP0003811-OSTP0003894	Def. Fact OSTP	No.	No.	
606	2003	Report by the Climate Change Science Program: Our Changing Planet, FY 2003	OSTP0003895-OSTP0004026	Def. Fact OSTP	No.	No.	
607	2004, 2005	Report by the Climate Change Science Program: Our Changing Planet, FYs 2004 & 2005	OSTP0004027-OSTP0004185	Def. Fact OSTP	No.	No.	
608	2006	Report by the Climate Change Science Program: Our Changing Planet, FYs 2006	OSTP0004186-OSTP0004409	Def. Fact OSTP	No.	No.	
609	2007	Report by the Climate Change Science Program: Our Changing Planet, FY 2007	OSTP0004410-OSTP0004681	Def. Fact OSTP	No.	No.	
610	2008	Report by the Climate Change Science Program: Our Changing Planet, FY 2008	OSTP0004682-OSTP0004901	Def. Fact OSTP	No.	No.	
611	2009	Report by the Climate Change Science Program: Our Changing Planet, FY 2009	OSTP0004902-OSTP0005144	Def. Fact OSTP	No.	No.	
612	2010	Report by the US Global Change Research Program: Our Changing Planet, FY 2010	OSTP0005145-OSTP0005316	Def. Fact OSTP	No.	No.	
613	2011	Report by the US Global Change Research Program: Our Changing Planet, FY 2011	OSTP0005317-OSTP0005412	Def. Fact OSTP	No.	No.	
614	2012	Report by the US Global Change Research Program: Our Changing Planet, FY 2012	OSTP0005413-OSTP0005465	Def. Fact OSTP	No.	No.	
615	2013	Report by the US Global Change Research Program: Our Changing Planet, FY 2013	OSTP0005466-OSTP0005532	Def. Fact OSTP	No.	No.	
616	2016	Report by the US Global Change Research Program: Our Changing Planet, FY 2016	OSTP0005533-OSTP0005610	Def. Fact OSTP	No.	No.	
617	2017	Report by the US Global Change Research Program: Our Changing Planet, FY 2017	OSTP0005611-OSTP0005694	Def. Fact OSTP	No.	No.	
618	2014	Report by the US Global Change Research Program: Our Changing Planet, FY 2014	OSTP0005695-OSTP0005743	Def. Fact OSTP	No.	No.	
619	2015	Report by the US Global Change Research Program: Our Changing Planet, FY 2015	OSTP0005744-OSTP0005797	Def. Fact OSTP	No.	No.	
620	3/29/2011	US Global Change Research Program: US National Climate Assessment, NCA Report Series, Vol. 5b	OSTP0005798-OSTP0005829	Def. Fact OSTP	No.	No.	
621		US Global Change Research Program: US National Climate Assessment, NCA Report Series, Vol. 4	OSTP0005830-OSTP0005885	Def. Fact OSTP	No.	No.	
622	4/1/2006	US Global Change Research Program: Temperature Trends in Lower Atmosphere, Steps for Understanding & Reconciling Differences	OSTP0005886-OSTP0006065	Def. Fact OSTP	No.	No.	

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623	1/1/2009	US Global Change Research Program: Past Climate Variability & Change in the Arctic & at High Latitudes	OSTP0006066-OSTP0006335	Def. Fact OSTP	No.	No.	
624		Reanalysis & Attribution: Understanding How & Why Recent Climate has Varied & Changed brochure	OSTP0006336-OSTP0006337	Def. Fact OSTP	No.	No.	
625	7/1/2007	US Climate Change Science Program: Scenarios of Greenhouse Gas Emissions and Atmospheric Concentrations	OSTP0006338-OSTP0006501	Def. Fact OSTP	No.	No.	
626		The Ozone Layer: Ozone Depletion, Recovery in a Changing Climate, and the "World Avoided" brochure	OSTP0006502-OSTP0006503	Def. Fact OSTP	No.	No.	
627	7/1/2008	U.S. Climate Change Science Program: Climate Models, An Assessment of Strengths and Limitations	OSTP0006504-OSTP0006638	Def. Fact OSTP	No.	No.	
628		Climate & Airborne Pollutants brochure	OSTP0006639-OSTP0006640	Def. Fact OSTP	No.	No.	
629	6/1/2008	U.S. Climate Change Science Program: Weather and Climate Extremes in a Changing Climate Regions of Focus: North America, Hawaii, Caribbean, and U.S. Pacific Islands	OSTP0006641-OSTP0006820	Def. Fact OSTP	No.	No.	
630		U.S. Climate Change Science Program: Synthesis & Assessment Report 3.4, Abrupt Climate Change Summary & Findings	OSTP0006821-OSTP0006824	Def. Fact OSTP	No.	No.	
631		Human Health & Welfare in Changing Climate: Summary of Findings of US Climate Change Science Program brochure	OSTP0006825-OSTP0006826	Def. Fact OSTP	No.	No.	
632	9/1/2008	U.S. Climate Change Science Program: Analyses of the Effects of Global Change on Human Health and Welfare and Human Systems	OSTP0006827-OSTP0007044	Def. Fact OSTP	No.	No.	
633	3/1/2008	U.S. Climate Change Science Program: Impacts of Climate Change and Variability on Transportation Systems and Infrastructure: Gulf Coast Study, Phase I	OSTP0007045-OSTP0007483	Def. Fact OSTP	No.	No.	
634	8/1/2008	U.S. Climate Change Science Program: Uses and Limitations of Observations, Data, Forecasts, and Other Projections in Decision Support for Selected Sectors and Regions	OSTP0007484-OSTP0007569	Def. Fact OSTP	No.	No.	
635	1/1/2009	U.S. Climate Change Science Program: Best Practice Approaches for Characterizing, Communicating, and Incorporating Scientific Uncertainty in Climate Decision Making	OSTP0007570-OSTP0007665	Def. Fact OSTP	No.	No.	
636	11/1/2008	U.S. Climate Change Science Program: Decision-Support Experiments and Evaluations using Seasonal-to- Interannual Forecasts and Observational Data: A Focus on Water Resources	OSTP0007666-OSTP0007873	Def. Fact OSTP	No.	No.	
637		Water Resources & Climate Prediction: Linking Science with Decisions brochure	OSTP0007874-OSTP0007875	Def. Fact OSTP	No.	No.	
638	5/17/2012	U.S. Global Change Research Program: Social Science Highlights fact sheet	OSTP0007876-OSTP0007877	Def. Fact OSTP	No.	No.	

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639	4/28/2011	Climate Change Impacts & Responses, NCA Report Series, Vol. 5c	OSTP0007878-OSTP0007999	Def. Fact OSTP	No.	No.	
640	2/24/2010	US National Climate Assessment, NCA Report Series, Vol. 2	OSTP0008000-OSTP0008031	Def. Fact OSTP	No.	No.	
641	2010	US Climate Action Report: 2010, Fifth National Communication of US Under the UN Framework Convention on Climate Change	OSTP0008032-OSTP0008224	Def. Fact OSTP	No.	No.	
642	11/1/2009	Effects of Climate Change on US Ecosystems	OSTP0008225-OSTP0008252	Def. Fact OSTP	No.	No.	
643	3/1/1999	Report for Workshop: Global Change Science Requirements for Long-Term Archiving	OSTP0008253-OSTP0008335	Def. Fact OSTP	No.	No.	
644	7/1/2015	Towards Scenarios of U.S. Demographic Change: Workshop Report	OSTP0008336-OSTP0008397	Def. Fact OSTP	No.	No.	
645		U.S. Global Change Research Program: Program Overview: USGCRP At A Glance fact sheet	OSTP0008398-OSTP0008399	Def. Fact OSTP	No.	No.	
646	2012	National Global Change Research Plan 2012-2021	OSTP0008400-OSTP0008551	Def. Fact OSTP	No.	No.	
647		The National Global Change Research Plan 2012-2021: Strategic Plan for the U.S. Global Change Research Program fact sheet	OSTP0008552-OSTP0008553	Def. Fact OSTP	No.	No.	
648	1/1/2017	US Global Change Research Program: National Global Change Research Plan 2012-2021: A Triennial Update	OSTP0008554-OSTP0008672	Def. Fact OSTP	No.	No.	
649	1/12/2011	Valuation Techniques & Metrics for Climate Change Impacts, Adaptation, & Mitigation Options: Methodological Perspectives for the National Climate Assessment	OSTP0008673-OSTP0008728	Def. Fact OSTP	No.	No.	
650	2017	U.S. Global Change Research Program: Climate Science Special Report: Fourth National Climate Assessment, Volume I	OSTP0008757 - OSTP0009233	Def. Fact OSTP	No.	No.	
651	10/15/2018	Exhibit Table of Congressional Hearing Reports	US0083002 - US0083047	Def.	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 801, 802 (hearsay)	
652	7/20/2017	James Michael Kuperberg Deposition Transcript	US0087112-US0087297	Def. Agency	No.	No.	
653		CV of James Michael Kuperberg	US0087298-US0087307	Def. Agency	No.	No.	
654		The National Global Change Research Plan 2012-2021, A Strategic Plan for the U.S. Global Change Research Program	US0087308-US0087458	Def. Agency	No.	No.	
655	9/1/2013	Preparing the Nation for Change: Building a Sustained National Climate Assessment Process, National Climate Assessment and Development Advisory Committee	US0087459-US0087531	Def. Agency	No.	No.	
656	2017	Review of the Draft Climate Science Special Report, The National Academies Press	US0087532-US0087664	Def. Agency	No.	No.	
657	2017	Accomplishments of the U.S. Global Change Research Program, The National Academies Press	US0087665-US0087755	Def. Agency	No.	No.	

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658		"America First A Budget Blueprint to Make America Great Again", Office of Management and Budget, Executive Office of the President of the United States	US0087756-US0087817	Def. Agency	No.	No.	
659	9/13/2016	Agenda for the Inaugural Meeting of the Advisory Committee for the Sustained National Climate Assessment	US0087818-US0087844	Def. Agency	No.	No.	
660	2016	The Impacts of Climate Change on Human Health in the United States, U.S. Global Change Research Program	US0087845-US0087868	Def. Agency	No.	No.	
661	4/20/2017	Minutes of a meeting of the Committee to Advise the USGCRP	US0087869-US0087871	Def. Agency	No.	No.	
662	7/21/2017	C. Mark Eakin Deposition Transcript	US0087872-US0087980	Def. Agency	No.	No.	
663	2/27/2017	Publication on Ocean Acidification, the Smithsonian Ocean Portal	US0087981-US0087987	Def. Agency	No.	No.	
664		Public Trust Doctrine, Coastal Services Center, NOAA	US0087988-US0087988	Def. Agency	No.	No.	
665	12/14/2007	Coral Reefs Under Rapid Climate Change and Ocean Acidification, Science Magazine, Vol. 318	US0087989-US0087992	Def. Agency	No.	No.	
666	7/3/2015	Contrasting futures for ocean and society from different anthropogenic CO2 emissions scenarios, Science Magazine, Vol. 349	US0087993-US0088004	Def. Agency	No.	No.	
667	5/20/2013	Avoiding Coral Reef Functional Collapse Requires Local and Global Action, Current Biology Vol. 23	US0088005-US0088011	Def. Agency	No.	No.	
668	2016	"Satellite SST-Based Coral Disease Outbreak Predictions for the Hawaiian Archipelago"	US0088012-US0088026	Def. Agency	No.	No.	
669	3/16/2017	Global warming and recurrent mass bleaching of corals, Nature, Vol. 543	US0088027-US0088039	Def. Agency	No.	No.	
670	8/23/2018	Howard J. Herzog Vol 1 Deposition Transcript	US0088040-US0088274	Def. Expert	No.	yes.	
671	7/20/2018	Deposition notice	US0088275-US0088280	Def. Expert	No.	No.	
672	8/13/2018	Howard J. Herzog expert report	US0088281-US0088350	Def. Expert	No.	No.	
673	5/27/2015	100% clean and renewable wind, water, and sunlight (WWS) all sector energy roadmaps for the 50 United States. Jacobson, Mark Z.	US0088351-US0088482	Def. Expert	No.	No.	
674	12/8/2015	Low cost solution to the grid reliability problem with 100% penetration of intermittent wind, water, and solar for all purposes. Jacobson, Mark Z., PNAS, Vol. 112, No. 49	US0088483-US0088488	Def. Expert	No.	No.	
675	6/28/2017	100% Clean and Renewable Wind, Water, and Sunlight (WWS) All Sector Energy Roadmaps for 139 Countries of the World. Jacobson, Mark Z.	US0088489-US0088694	Def. Expert	No.	No.	

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676	2/2/2018	Matching demand with supply at low cost in 139 countries among 20 world regions with 100% intermittent wind, water, and sunlight (WWS) for all purposes. Jacobson, Mark Z, Elsevier	US0088695-US0088824	Def. Expert	No.	No.	
677	2/24/2017	Evaluation of a proposal for reliable low-cost grid power with 100% wind, water, and solar. Clack, Christopher, PNAS Early Edition.	US0088825-US0088830	Def. Expert	No.	No.	
678	5/8/2017	Supporting Information for the paper "Evaluation of a proposal for reliable low-cost grid power with 100% wind, water, and solar" Clack, Christopher, PNAS, Vol. XXX, No. XX	US0088831-US0088844	Def. Expert	No.	No.	
679	3/23/2017	Burden of Proof: A comprehensive review of the feasibility of 100% renewable-electricity systems. Heard, B.P., Elsevier	US0088845-US0088856	Def. Expert	No.	No.	
680	4/1/2018	Renewable Rap Battle: A scathing critique of Mark Jacobson's 100% renewable grid proposal. Cembalest, Michael, Eye on the Market, J.P. Morgan Annual Energy Paper	US0088857-US0088862	Def. Expert	No.	No.	
681	5/16/2018	The feasibility of 100% renewable electricity systems: A response to critics, Diesendorf, Mark, Elsevier	US0088863-US0088876	Def. Expert	No.	No.	
682	5/11/2018	Response to "Burden of proof: A comprehensive review of the feasibility of 100% renewable-electricity systems" Brown, T. W., Elsevier	US0088877-US0088890	Def. Expert	No.	No.	
683	6/25/2018	Mark Jacobson Declaration	US0088891-US0088893	Def. Expert	No.	No.	
684		Letter: The United States can keep the grid stable at low cost with 100% clean, renewable energy in all sectors despite inaccurate claims, Jacobson, Mark. Z., PNAS Early Edition	US0088894-US0088897	Def. Expert	No.	No.	
685	11/12/2010	Scaling up carbon dioxide capture and storage: From megatons to gigatons, Herzog, Howard J., Elsevier	US0088898-US0088905	Def. Expert	No.	No.	
686	3/12/2015	Article: Pumping CO2 underground can help fight climate change. Why is it stuck in second gear? Herzog, Howard J., The Conversation	US0088906-US0088911	Def. Expert	No.	No.	
687	3/12/2015	Online Version, Article: Pumping CO2 underground can help fight climate change. Why is it stuck in second gear? Herzog, Howard J., The Conversation	US0088912-US0088913	Def. Expert	No.	No.	
688		MIT CSI Sponsors, History of consortium membership chart	US0088914-US0088914	Def. Expert	No.	No.	
689	11/1/2017	Lazard's Levelized Cost of Energy Analysis: Ver. 11.0	US0088915-US0088936	Def. Expert	No.	No.	
690		Placeholder for Herzog Exhibits	US0088937-US0088937				
691	8/30/2018	Arthur Partikian Deposition Transcript	US0083048-US0083156	Def. Expert	No.	Yes.	
692	7/20/2018	Notice of Deposition	US0083157-US0083161	Def. Expert	No.	No.	

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693	8/13/2018	Expert Report of Arthur Partikian	US0083162-US0083247	Def. Expert	No.	No.	
694	6/7/2018	Stipulated Protective Order	US0083248-US0083260	Def. Expert	No.	No.	
695		Placeholder for Partikian Exhibits	US0083261-US0083261				
696	8/31/2018	Jeffrey Sugar Deposition Transcript	US0083262-US0083462	Def. Expert	No.	yes.	
697	8/13/2018	Rebuttal of Plaintiffs' Expert Report in Juliana v USA	US0083490-US0083516	Def. Expert	No.	No.	
698		Notice of deposition	US0083463-US0083484	Def. Expert	No.	No.	
699		Stipulated Protective Order	US0083485-US0083489	Def. Expert	No.	No.	
700	8/29/2018	Rebuttal of Plaintiffs' Expert Reports in Juliana v. by Dr. Sugar	US0083517-US0083545	Def. Expert	No.	No.	
701	2018	American Psychiatric Association Article: Climate Change and Mental Health Connections	US0083546-US0083549	Def. Expert	No.	No.	
702	2008	Article from Academic Psychiatry Climate Change, a Call to Action for the Psychiatric Profession, Parsons, T.D. et al., Medicine Meets Virtual Reality	US0083550-US0083554	Def. Expert	No.	No.	
703	2008	Article: Objective Structured Clinical Interview Training using a Virtual Human Patient by T.D. Parsons, J. Sugar, et al.	US0083555-US0083560	Def. Expert	No.	No.	
704	2015	AAPL Practice Guideline for the Forensic Assessment, Volume 43 Number 2, 2015 Supplement	US0083561-US0083615	Def. Expert	No.	No.	
705		Placeholder for Jeff Sugar second deposition transcript and exhibits	US0083616-US0083616	Def. Expert	No.	No.	
706		Placeholder for Sugar Exhibits	US0083617-US0083617				
707	8/28/2018	David G. Victor Deposition Transcript	US0088938-US0089179	Def. Expert	No.	Yes.	
708	7/20/2018	Plaintiffs' Notice of Deposition, Dr. David Victor	US0089180-US0089184	Def. Expert	No.	No.	
709	8/13/2018	Expert Report of David G. Victor	US0089185-US0089238	Def. Expert	No.	No.	
710	2015	Screenshot from course material section of website re David G. Victor	US0089239-US0089240	Def. Expert	No.	No.	
711	2/1/2018	Undiplomatic Action: A practical guide to the new politics and geopolitics of climate change, Victor, David G. & Jones, Bruce D.	US0089241-US0089262	Def. Expert	No.	No.	
712	6/27/2017	Evaluation of a proposal for reliable low-cost grid power with 100% wind, water, and solar, Clack, Christopher, PNAS, Vol. 114, No. 26	US0089263-US0089268	Def. Expert	No.	No.	
713	3/15/2018	Tsunamis of innovation are shaking the energy industry, Victor, David G., Brookings	US0089269-US0089272	Def. Expert	No.	No.	

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714	6/1/2017	Trump just pulled out of the Paris Agreement but the US has contributed more to climate change than any other country, Loria, Kevin	US0089273-US0089275	Def. Expert	No.	No.	
715	11/1/2015	Federal Support for the Development, Production, and Use of Fuels and Energy Technologies, Congressional Budget Office	US0089276-US0089309	Def. Expert	No.	No.	
716		Climate Extremes and Global Health New Ways to Make Progress, Ramanathan Veerabhadran et al.	US0089310-US0089317	Def. Expert	No.	No.	
717	6/1/2016	Cooperation and discord in global climate policy, Keohane, Robert O. & Victor, David G., Nature Climate Change, Vol 6	US0089318-US0089323	Def. Expert	No.	No.	
718		After the failure of top down mandates: The role of experimental governance in climate change policy, Keohane, Robert O. & Victor, David G.	US0089324-US0089335	Def. Expert	No.	No.	
719	10/2/2014	Ditch the 2°C warming goal, Victor, David G, Nature Vol 514	US0089336-US0089337	Def. Expert	No.	No.	
720	11/1/2017	"Effect of subsidies to fossil fuel companies on United States crude oil production"	US0089338-US0089345	Def. Expert	No.	No.	
721		"A Madisonian Approach to Climate Policy"	US0089346-US0089348	Def. Expert	No.	No.	
722	6/1/2017	New York Times article: "The U.S. Is the Biggest Carbon Polluter in History. It Just Walked Away From the Paris Climate Deal."	US0089349-US0089354	Def. Expert	No.	No.	
723		Placeholder for Victor Exhibits	US0089355-US0089355				
724	9/13/2018	John P. Weyant Deposition Transcript	US0089356-US0089621	Def. Expert	No.	Yes.	
725	7/20/2018	Plaintiffs' Notice of Deposition Dr. John P. Weyant	US0089622-US0089626	Def. Expert	No.	No.	
726	8/13/2018	Expert Report of Professor John P. Weyant	US0089627-US0089687	Def. Expert	No.	No.	
727	7/12/2018	Letter from Justice Department counsel to Plaintiffs' Counsel re: Expert witnesses	US0089688-US0089690	Def. Expert	No.	No.	
728	2017	Book: Chapter 4 entitled "Energy Supply and Use" from the National Climate Assessment of 2014	US0089691-US0089707	Def. Expert	No.	No.	
729	2017	National Academies of Science report: "Valuing Climate Damages Updating Estimation of the Social Cost of Carbon Dioxide", Weyant, John	US0089708-US0089851	Def. Expert	No.	No.	
730		"Some Contributions of Integrated Assessment Models of Global Climate Change"	US0089852-US0089874	Def. Expert	No.	No.	
731		Excerpt from "Discounting and Intergenerational Equity"	US0089875-US0089887	Def. Expert	No.	No.	
732	11/1/2016	Introduction from the United States Mid-Century Strategy for Deep Decarbonization	US0089888-US0089891	Def. Expert	No.	No.	
733	11/1/2015	Pathways to Deep Decarbonization in the United States, US 2050 Vol. 1 Technical Report, Executive Summary	US0089892-US0089901	Def. Expert	No.	No.	

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734	11/1/2015	Pathways to Deep Decarbonization in the United States, US 2050 Vol. 2 Policy Report, Executive Summary	US0089902-US0089915	Def. Expert	No.	No.	
735		Placeholder for Weyant Exhibits	US0089916-US0089916				
736	9/6/2018	Daniel Alan Sumner Deposition Transcript	US0089917-US0090181	Def. Expert	No.	Yes.	
737	8/13/2018	Expert Report of Professor Daniel A Sumner	US0090182-US0090257	Def. Expert	No.	No.	
738		Revised Appendix A to Sumner Expert Report	US0090258-US0090283	Def. Expert	No.	No.	
739	2/1/2013	Greenhouse Gas Mitigation Options and Costs for Agricultural Land and Animal Production within the United States	US0090284-US0090553	Def. Expert	No.	No.	
740	7/1/2016	ICF International, Managing Agricultural Land for Greenhouse Gas Mitigation within the United States	US0090554-US0090619	Def. Expert	No.	No.	
741	11/24/2011	Case study on potential agricultural responses to climate change in a California landscape	US0090620-US0090641	Def. Expert	No.	No.	
742	8/15/2015	When does no-till yield more? A global meta-analysis. Pittelkow, Cameron M., Elsevier	US0090642-US0090655	Def. Expert	No.	No.	
743	8/1/2009	Final Paper: Potential for Adaptation to Climate Change in an Agricultural Landscape in the Central Valley of California, Jackson, L.E., California Climate Change Center	US0090656-US0090663	Def. Expert	No.	No.	
744	9/1/2007	A CBO Paper September 2007 The Potential for Carbon Sequestration in the United States	US0090664-US0090695	Def. Expert	No.	No.	
745	1/1/2012	Greenhouse Gas Mitigation Potential of Agricultural Land Management in the United States A Synthesis of the Literature, Eagle, Alison J., Nicholas Institute for Environmental Policy Solutions, Duke University, 3d Ed.	US0090696-US0090779	Def. Expert	No.	No.	
746	11/1/2016	GAO Report, Renewable Fuel Standard, Low Expected Production Volumes Make it Unlikely That Advanced Biofuels Can Meet Increasing Targets	US0090780-US0090817	Def. Expert	No.	No.	
747	9/17/2003	Circular A 4, To the Heads of Executive Agencies and Establishments - Subject: Regulatory Analysis	US0090818-US0090865	Def. Expert	No.	No.	
748	11/1/2016	Excerpt - United States Mid Century Strategy for Deep Decarbonization	US0090866-US0090869	Def. Expert	No.	No.	
749	2/29/2008	Use of U.S. Croplands for Biofuels Increases Greenhouse Gases Through Emissions from Land-Use Change, Searchinger, Timothy, Science Magazine, Vol. 319	US0090870-US0090873	Def. Expert	No.	No.	
750		Placeholder for Sumner Exhibits	US0090874-US0090874				
751	9/10/2018	James Sweeny Deposition Transcript	US0090875-US0091160	Def. Expert	No	Yes.	
752		Plaintiff's Notice of Deposition Dr. James L. Sweeney	US0091161-US0091165	Def. Expert	No	No	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
753	8/13/2018	Expert Report of Professor James L. Sweeney	US0091166-US0091295	Def. Expert	No	No	
754	7/10/1905	Stanford Strategic Energy Alliance, Precourt Institute for Energy, Prospectus 2018, Stanford Launches Strategic Energy Alliance with industry collaboration	US0091296-US0091299	Def. Expert	No	No	
755	2/24/2017	Evaluation of a Proposal for Reliable Low Cost Grid Power with 100% Wind, Water, and Solar, Clack, Christopher, PNAS Early Edition	US0091300-US0091305	Def. Expert	No	No	
756	1/30/2005	Hoover Digest, An Energy Policy for the Twenty First Century, Sweeney, James L., No. 1	US0091306-US0091306	Def. Expert	No	No	
757	7/14/2008	Market Failure and the Structure of Externalities, Gillingham, Kenneth & Sweeney, James, Kerrypress Ltd	US0091307-US0091331	Def. Expert	No	No	
758	2006	Council on Foreign Relations, National Security Consequences of U.S. Oil Dependency, Independent Task Force Report No. 58	US0091332-US0091421	Def. Expert	No	No	
759	6/1/2017	Climate One, Trumping the Climate: Coming in Hot	US0091422-US0091440	Def. Expert	No	No	
760		Development Outreach, Climate Change Low Carbon Economies Resilient Societies	US0091441-US0091496	Def. Expert	No	No	
761		Placeholder for Sweeny Exhibits	US0091497-US0091497				
762	9/27/2018	Norman Klein Deposition Transcript	US0083618-US0083792	Def. Expert	No	Yes.	
763	7/20/2018	Norman Klein Notice of Deposition	US0083793-US0083797	Def. Expert	No	No	
764	8/13/2018	Norman Klein Expert Report	US0083798-US0083807	Def. Expert	No	No	
765	8/28/2007	Expert Panel Report 3: Guidelines for the Diagnosis and Management of Asthma, Full Report 2007	US0083808-US0083818	Def. Expert	No	No	
766	11/1/2001	Recommendations: Allergic Rhinitis and its Impact on Asthma (ARIA) in collaboration with the World Health Organization	US0083819-US0083838	Def. Expert	No	No	
767		Placeholder for Klein Exhibits	US0083839-US0083839				
768	8/24/2018	Frank Ackerman Deposition Transcript	US0091498-US0091830	Pls.' Expert	No	Yes.	
769	4/13/2018	Frank Ackerman Expert Report	US0091831-US0091868	Pls.' Expert	No.	No.	
770	2/1/2010	Technical Support Document: Social Cost of Carbon for Regulatory Impact Analysis Under Executive Order 12866	US0091869-US0091920	Pls.' Expert	No.	No.	
771	8/1/2016	Technical Support Document: Technical Update of the Social Cost of Carbon for Regulatory Impact Analysis Under Executive Order 12866	US0091921-US0091956	Pls.' Expert	No	No	

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772	9/15/2011	The Social Cost of CO2 from the PAGE09 Model, Hope, Chris. W.	US0091957-US0091988	Pls.' Expert	No.	No.	
773	11/1/2016	The Social Cost of Carbon Revisited, Pindyck, Robert S.	US0091989-US0092034	Pls.' Expert	No.	No.	
774	8/1/2016	Utility-Scale Solar 2015: An Empirical Analysis of Project Cost, Performance, and Pricing Trends in the United States, Bolinger, Mark, Lawrence Berkeley National Laboratory	US0092035-US0092070	Pls.' Expert	No.	No.	
775		Drawing	US0092071-US0092071	Pls.' Expert	No.	No.	
776		Stern Review: The Economics of Climate Change	US0092072-US0092072	Pls.' Expert	No.	No.	
777	9/1/2007	A Review of the Stern Review on the Economics of Climate Change, Nordhaus, William D., Journal of Economic Literature	US0092073-US0092090	Pls.' Expert	No.	No.	
778		Microeconomics, Pindyck, Robert S., 5th Ed.	US0092091-US0092094	Pls.' Expert	No.	No.	
779	1/11/1993	Report of the NOAA Panel on Contingent Valuation, Arrow, Kenneth	US0092095-US0092162	Pls.' Expert	No.	No.	
780		The New Palgrave: A Dictionary of Economics, Vol. 4, Q-Z	US0092163-US0092166	Pls.' Expert	No.	No.	
781		Worst-Case Economics: Extremem Events in Climate and Finance, Ackerman, Frank	US0092167-US0092179	Pls.' Expert	No.	No.	
782	9/5/2018	Peter Erickson Deposition Transcript	US0092180-US0092465	Pls.' Expert	No.	Yes.	
783	4/12/2018	Expert Report of Peter A. Erickson	US0092466-US0092505	Pls.' Expert	No.	No.	
784	3/1/2017	U.S. Energy-Related Carbon Dioxide Emissions, 2015	US0092506-US0092523	Pls.' Expert	No.	No.	
785	2/6/2018	Annual Energy Outlook 2018 with Projections to 2050	US0092524-US0092597	Pls.' Expert	No.	No.	
786	8/4/1977	Pub. L. No. 95-91, 91 Stat. 565	US0092598-US0092605	Pls.' Expert	No.	No.	
787		US-China trade deficit, U.S. Census Bureau	US0092606-US0092606	Pls.' Expert	No.	No.	
788	1/2/2013	Building EORA: A Global Multi-Region Input-Output Database at High Country and Sector Resolution, Lenzen, Manfred, Economic Systems Research, Vol. 25, No. 1	US0092607-US0092638	Pls.' Expert	No.	No.	
789		Growth in emission transfers via international trade from 1990 to 2008	US0092639-US0092662	Pls.' Expert	No.	No.	
790		UK's Carbon Footprint 1997-2013, Department for Environment, Food, and Rural Affairs	US0092663-US0092672	Pls.' Expert	No.	No.	
791	8/4/2007	Post-Kyoto greenhouse gas inventories: production versus consumption, Peters, Glen P., Climate Change	US0092673-US0092688	Pls.' Expert	No.	No.	
792	3/15/2008	Methodological and Ideological Options; From production-based to consumption-based national emission inventories, Peters, Glen P.	US0092689-US0092710	Pls.' Expert	No.	No.	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
793	3/14/2008	Food-Miles and the Relative Climate Impacts of Food Choices in the United States, Weber, Christopher, Environ. Sci. Technol., Vol. 42, No. 10	US0092711-US0092716	Pls.' Expert	No.	No.	
794	12/1/2015	United States Self-Review of Fossil Fuel Subsidies Submitted December 2015 to the G-20 Peer Reviewers	US0092717-US0092730	Pls.' Expert	No.	No.	
795	7/1/2013	Impacts of delaying IDC deductibility (2014-2025)	US0092731-US0092778	Pls.' Expert	No.	No.	
796		Subsidy (www.investopedia.com/terms/s/subsidy.asp)	US0092779-US0092782	Pls.' Expert	No.	No.	
797	8/1/2012	U.S. Energy Subsidies: Effects on Energy Markets and Carbon Dioxide Emissions, Allair, Maura	US0092783-US0092890	Pls.' Expert	No.	No.	
798	8/1/2016	The Impact of Removing Tax Preferences for U. S. Oil and Gas Production, Metcalf, Gilbert E., Council on Foreign Relations	US0092891-US0092932	Pls.' Expert	No.	No.	
799	2/1/2013	15 Ways to Rethink the Federal Budget, Greenstone, Michael, The Hamilton Project	US0092933-US0092942	Pls.' Expert	No.	No.	
800		Drawing	US0092943-US0092943	Pls.' Expert	No.	No.	
801	8/25/2015	Assessing carbon lock-in, Erickson, Peter, IOPscience	US0092944-US0092961	Pls.' Expert	No.	No.	
802	8/10/2018	Ove Hoegh-Guldberg Deposition Transcript	US0092962-US0093171	Pls.' Expert	No.	Yes.	
803	4/11/2018	Ove Hoegh-Guldberg Expert Report	US0093172-US0093293	Pls.' Expert	No.	No.	
804		Drawing	US0093294-US0093295	Pls.' Expert	No.	No.	
805	8/15/2018	Steven Running Deposition Transcript	US0093296-US0093565	Pls.' Expert	No.	Yes.	
806	4/3/2018	Steven Running Expert Report	US0093566-US0093619	Pls.' Expert	No.	No.	
807	10/12/2007	The Nobel Peace Prize for 2007	US0093620-US0093622	Pls.' Expert	No.	No.	
808	12/1/2012	Statement about the 2007 Nobel Peace Prize	US0093623-US0093624	Pls.' Expert	No.	No.	
809		Attribution of Extremem Weather Events in the context of Climage Change, The National Academies Press	US0093625-US0093799	Pls.' Expert	No.	No.	
810	8/7/2017	Seattle Chokes as Wildfire Smoth from Canada Blankets the Northwest, Blinder, Alan, NYT	US0093800-US0093803	Pls.' Expert	No.	No.	
811	8/15/2018	Wildland Fire Poligy, Office of Wildland Fire, DOI	US0093804-US0093807	Pls.' Expert	No.	No.	
812	3/14/2017	Human-started wildfires expand the fire niche across the United States, Balch, Jennifer et al, PNAS, Vol. 114, No. 11	US0093808-US0093813	Pls.' Expert	No.	No.	
813	11/11/20016	U.S. federal fire and forest policy: emphasizing resilience in dry forests, Stephens, Scott L., Ecosphere, Vol. 7, Issue 11	US0093814-US0093835	Pls.' Expert	No.	No.	

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814	2018	Global land change from 1982 to 2016, Song, Xiao-Peng et al, Nature	US0093836-US0093851	Pls.' Expert	No.	No.	
815	8/15/2018	Sea Ice and Snow Cover Extent, National Centers for Environmental Information	US0093852-US0093879	Pls.' Expert	No.	No.	
816	12/2/2011	Searching for Information in 133 years of California Snowfall Observations, Christy, John R., American Meteorological Society	US0093880-US0093898	Pls.' Expert	No.	No.	
817	10/12/2018	Andrea Wulf Deposition Transcript	US0093899-US0094101	Pls.' Expert			
818	3/30/2018	Expert Report of Andrea Wulf	US0094102-US0094159	Pls.' Expert	No.	No.	
819	10/10/2018	Supplemental Expert Report of Andrew Wulf	US0094160-US0094235	Pls.' Expert	No.	No.	
820		Bill of Rights (1791)	US0094236-US0094236	Pls.' Expert	No.	No.	
821	6/9/1804	Letters between thomas Jefferson and Alexander von Humboldt	US0094239-US0094240	Pls.' Expert	No.	No.	
822	7/3/1804	Letter from Thomas Jefferson to Albert Gallatin	US0094241-US0094242	Pls.' Expert	No.	No.	
823		Constitutional Convention and Ratification, 1787-1789	US0094243-US0094245	Pls.' Expert	No.	No.	
824	9/6/1719	Letters from Thomas Jefferson to Spencer Roane	US0094246-US0094247	Pls.' Expert	No.	No.	
825	6/28/1793	Letter from Thomas Jefferson to George Washington	US0094248-US0094249	Pls.' Expert	No.	No.	
826		P00000143755: Images	US0094250-US0094250	Pls.' Expert	No.	No.	
827		P00000143760: Photograph	US0094251-US0094257	Pls.' Expert	No.	No.	
828		P00000143754: Images	US0094258-US0094264	Pls.' Expert	No.	No.	
829		P00000142432: Photographs	US0094265-US0094265	Pls.' Expert	No.	No.	
830		P00000142428: Photograph	US0094266-US0094267	Pls.' Expert	No.	No.	
831	4/18/1804	Letter from Vincent Gray to Alexander Hamilton	US0094237-US0094238	Pls.' Expert	No.	No.	
832		P00000142421: Photographs	US0094268-US0094272	Pls.' Expert	No.	No.	
833		P00000143753: Photographs	US0094273-US0094274	Pls.' Expert	No.	No.	
834		P00000142431: Image	US0094275-US0094275	Pls.' Expert	No.	No.	
835		P00000143746: Images	US0094276-US0094278	Pls.' Expert	No.	No.	
836		P00000143745: Images	US0094279-US0094283	Pls.' Expert	No.	No.	
837	5/24/1804	Letter from Alexander von Humboldt to Thomas Jefferson	US0094284-US0094284	Pls.' Expert	No.	No.	
838	10/11/2018	Mark Jacobson Deposition Transcript	US0094285-US0094648	Pls.' Expert	No.	Yes.	

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839	4/6/2018	Expert Report of Mark Jacobson	US0094649-US0094690	Pls.' Expert	No.	No.	
840	9/19/2018	Rebuttal Expert Report of Mark Jacobson	US0094691-US0094765	Pls.' Expert	No.	No.	
841	7/26/2017	Expert Report of Mark Jacobson	US0094766-US0094806	Pls.' Expert	No.	No.	
842		Xlsx file containing Derivation of all numbers in the 100% WWS all-sector energy plans for all 50 United States	US0094807-US0094807	Pls.' Expert	No.	No.	
843		Sensitivity Analysis of Normative Economic Models: Theoretical Framework and Practical Strategies	US0094808-US0094827	Pls.' Expert	No.	No.	
844		Optimizing investments in coupled offshore wind-electrolytic hydrogen storage systems in Denmark	US0094828-US0094839	Pls.' Expert	No.	No.	
845		Features of a fully renewable US electricity system: Optimized mixes of wind and solar PV and transmission grid extensions	US0094840-US0094855	Pls.' Expert	No.	No.	
846		Excerpts from the 2017 Hydropower Market Report	US0094856-US0094865	Pls.' Expert	No.	No.	
847		Screen shot of the files found on the stanford.edu website	US0094866-US0094866	Pls.' Expert	No.	No.	
848		EIA cost scenarios	US0094867-US0094868	Pls.' Expert	No.	No.	
849		Environmental Economics by Charles D. Kolstad	US0094869-US0094870	Pls.' Expert	No.	No.	
850		Excerpt of the Boeing Current Market Outlook 2017-2036	US0094871-US0094876	Pls.' Expert	No.	No.	
851		SGI Aviation, Aircraft Retirements and part-out	US0094877-US0094903	Pls.' Expert	No.	No.	
852		Diagram	US0094904-US0094904	Pls.' Expert	No.	No.	
853	6/26/2018	Governor Brown Takes Action to Increase Zero-Emission Vehicles, Fund New Climate Investments	US0094905-US0094909	Pls.' Expert	No.	No.	
854	10/10/2018	Rebates and Incentives	US0094910-US0094911	Pls.' Expert	No.	No.	
855	1/25/2016	Future cost-competitive electricity systems and their impact on US CO2 emissions, MacDonald, Alexander E. et al	US0094912-US0094917	Pls.' Expert	No.	No.	
856		Principles of Economics Third Edition, Mankiw, N. Gregory	US0094918-US0094927	Pls.' Expert	No.	No.	
857	8/24/2017	Nickel mining: the hidden environmental cost of electric cars, Opray, Max, The Guardian	US0094928-US0094929	Pls.' Expert	No.	No.	
858	2/16/2016	Do Electric Cars Work in Cold Weather?, Reichmuth, David, Union of Concerned Scientists	US0094930-US0094940	Pls.' Expert	No.	No.	
859	9/29/2016	Electric Cars Pros and Cons, Berman, Brad, PluginCars.com	US0094941-US0094944	Pls.' Expert	No.	No.	

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860	3/1/2018	Levelized Cost and Levelized Avoided Cost of New Generation Resources in the Annual Energy Outlook 2018, U.S. Energy Information Administration	US0094945-US0094964	Pls.' Expert	No.	No.	
861		Category and Economic Life for Business Personal Property	US0094965-US0094967	Pls.' Expert	No.	No.	
862		Annex: Technology-specific Cost and Performance Parameters, Schlomer et al	US0094968-US0094995	Pls.' Expert	No.	No.	
863	6/1/2012	Renewable Energy Technologies: Cost Analysis Series, Volume I: Power Sector, Issue 5/5, Wind Power, Irena Working Paper	US0094996-US0095059	Pls.' Expert	No.	No.	
864	10/1/2018	James Hansen Deposition Transcript	US0095060-US0095441	Pls.' Expert	No.	Yes.	
865	4/13/2018	Expert Report of James E. Hansen	US0095442-US0096440	Pls.' Expert	No.	No.	
866		Excerpt from "Carbon Dioxide Theory of Climatic Change" by Gilbert Plass	US0096441-US0096443	Pls.' Expert	No.	No.	
867	9/10/2015	First Amended Complaint, ECF No. 7	US0096444-US0096673	Pls.' Expert	No.	No.	
868		Terrestrial and Inland Water Systems, Chapter 4, Settele, Josef et al	US0096674-US0096763	Pls.' Expert	No.	No.	
869		Hansen Hand-Written Note	US0096764-US0096765	Pls.' Expert	No.	No.	
870		Excel spreadsheet (Emissions percentages per year)	US0096766-US0096766	Pls.' Expert	No.	No.	
871	1/1/2017	NOAA Technical Report: Global and Regional Sea Level Rise Scenarios for the United States	US0096767-US0096842	Pls.' Expert	No.	No.	
872		"Obama's Second Chance on the Predominant Moral Issue of this Century" article by Hansen	US0096843-US0096844	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
873	6/19/2014	"Too Little, Too Late? Oops?" article by Hansen	US0096845-US0096846	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
874	12/29/2015	"Wanning Workshop + Beijing Charts + Year-End Comments" article by Hansen	US0096847-US0096852	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
875	4/29/2014	"Young People's Day in Court: Part II" article by Hansen	US0096853-US0096854	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
876	6/19/2018	The Guardian article: "Ex-NASA Scientist: 30 years on, world is failing 'miserably' to address climate change" by Oliver Milman	US0096855-US0096860	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
877	10/23/2001	Salon.com article: "Stormy Weather" by Suzy Hansen	US0096861-US0096862	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	

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878		"Baby Lauren and the Kool-Aid"	US0096863-US0096872	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
879	6/27/2018	Boston Globe article: "Thirty years later, what needs to change in our approach to climate change" by Hansen	US0096873-US0096874	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
880		Excerpt from Hansen book: Storms of My Grandchildren	US0096875-US0096886	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
881	12/22/2016	Rollingstone.com article: "Will We Miss Our Last Chance to Save the World from Climate Change?"	US0096887-US0096890	Pls.' Expert	No.	Yes. ER 401, 402, 403 (Relevance, Cumulative), ER 802 (hearsay)	
882	10/9/2018	James H. Williams Deposition Transcript	US0096891-US0097215	Pls.' Expert	No.	Yes.	
883	4/13/2018	James H. Williams Expert Report	US0097216-US0097487	Pls.' Expert	No.	No.	
884		Hand-drawn S curve	US0097488-US0097489	Pls.' Expert	No.	No.	
885	1/6/2012	"The Technology Path to Deep Greenhouse Gas Emissions Cuts by 2050: The Pivotal Role of Electricity" article by Williams	US0097490-US0097497	Pls.' Expert	No.	No.	
886	9/19/2018	Rebuttal Expert Report of James H. Williams, Ph.D.	US0097498-US0097517	Pls.' Expert	No.	No.	
887	12/1/2017	"Measuring progress from nationally determined contributions to mid-century strategies" article, co-authored by Williams	US0097518-US0097523	Pls.' Expert	No.	No.	
888	7/1/2018	"The electric economy moving toward a low-carbon future" article by Williams	US0097524-US0097527	Pls.' Expert	No.	No.	
889	6/1/2018	"The Deep Decarbonization Pathways Project (DDPP): insights and emerging issues" article, co-authored by Williams	US0097528-US0097535	Pls.' Expert	No.	No.	
890		Placeholder for Speth deposition transcript and exhibits	US0097536-US0097536	Pls.' Expert			
891	8/10/2018	James Gustave Speth Expert Report	US0097537-US0097714	Pls.' Expert	No.	No.	
892	9/28/2018	Eric Rignot Deposition Transcript	US0097715-US0097952	Pls.' Expert	No.	Yes.	
893	4/11/2018	Eric Rignot Expert Report	US0097953-US0098029	Pls.' Expert	No.	No.	
894		Eric Rignot updated CV and list of references	US0098030-US0098065	Pls.' Expert	No.	No.	
895		Observations: Cryosphere, Vaughn, David G. & Cosimo, Josefino C.	US0098066-US0098131	Pls.' Expert	No.	No.	
896	5/12/2014	NASA-UCI Study Indicates Loss of West Antarctic Glaciers Appears Unstoppable, Release 14-131	US0098132-US0098135	Pls.' Expert	No.	No.	

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897	10/24/2016	Greenland is Melting, Kolbert, Elizabeth, The New Yorker	US0098136-US0098166	Pls.' Expert	No.	No.	
898	7/23/2015	Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2C global warming could be dangerous, Hansen, James et al, Atmospheric Chemistry and Physics	US0098167-US0098218	Pls.' Expert	No.	No.	
899	9/21/2018	G. Philip Robertson Deposition Transcript	US0098219-US0098488	Pls.' Expert	No.	Yes.	
900	7/30/2017	G. Philip Robertson Expert Report	US0098489-US0098554	Pls.' Expert	No.	No.	
901	4/13/2018	G. Philip Robertson Expert Report	US0098555-US0098624	Pls.' Expert	No.	No.	
902	7/7/1905	A Sustainable Agriculture?, Robertson, Philip G. , Daedalus, the Journal of the American Academy of Arts & Sciences	US0098625-US0098638	Pls.' Expert	No.	No.	
903	4/7/2016	Climate-smart soils, Paustian, Keith, Perspective, Vol 532	US0098639-US0098648	Pls.' Expert	No.	No.	
904		Soil System Management in Temperate Regions, Robertson, G. Philip & Grandy, A. Stuart	US0098649-US0098662	Pls.' Expert	No.	No.	
905	11/1/2016	Grassland management impacts on soil carbon stocks: a new synthesis, Conant, Richard T. et al	US0098663-US0098666	Pls.' Expert	No.	No.	
906	4/11/2015	Greenhouse gas mitigation potential of the world's grazing lands: Modeling soil carbon and nitrogen fluxes of mitigation practices, Henderson, Benjamin B. et al, Elsevier	US0098667-US0098676	Pls.' Expert	No.	No.	
907		Estimating Soil C Sequestration Potential in US Agriculture Soils Using the IPCC Approach, Sperow, M. et al	US0098677-US0098692	Pls.' Expert	No.	No.	
908	6/30/2017	Cellulosic biofuel contributions to a sustainable energy future: Choices and outcomes, Robertson, G. Philip	US0098693-US0098704	Pls.' Expert	No.	No.	
909	8/1/2017	Major Uses of Land in the United States, Bigelow, Daniel P. & Borchers, Allison, USDA	US0098705-US0098774	Pls.' Expert	No.	No.	
910	9/1/2007	The Potential for Carbon Sequestration in the United States, CBO	US0098775-US0098806	Pls.' Expert	No.	No.	
911	10/31/2017	Natural Climate Solutions, Griscom, Bronson W. et al, PNAS, Vol. 114, No. 44	US0098807-US0098812	Pls.' Expert	No.	No.	
912	9/19/2018	Catherine Smith Deposition Transcript	US0098813-US0099001	Pls.' Expert	No.	Yes.	
913	4/13/2018	Catherine Smith Expert Report	US0099002-US0099075	Pls.' Expert	No.	No.	
914		Children's Rights in the Midst of Marriage Equality: Amicus Brief in Obergefell v Hodgesby Scholars of the Constitutional Rights of Children, Washington, Tanya, Whittier Journal of Child and Family Advocacy, Vol. 14	US0099076-US0099117	Pls.' Expert	No.	No.	

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915	9/25/2018	Joseph E. Stiglitz Deposition Transcript	US0099118-US0099446	Pls.' Expert	No.	Yes.	
916	4/13/2018	Joseph E. Stiglitz Expert Report	US0099447-US0099640	Pls.' Expert	No.	No.	
917	5/29/2017	Report of the High-Level Commission on Carbon Prices	US0099641-US0099708	Pls.' Expert	No.	No.	
918	3/18/2016	For First Time, Majority in U.S. oppose Nuclear Energy, Riffkin, Rebecca, Gallup	US0099709-US0099714	Pls.' Expert	No.	No.	
919		Assessing Transformation Pathways, Clarke, Leon et al	US0099715-US0099812	Pls.' Expert	No.	No.	
920	2/21/1991	HR 1086 - To Amend the Internal Revenue Code of 1986 to reduce emissions of carbon dioxide by imposing a tax on certain fuels based on their carbon content, Rep. Stark	US0099813-US0099818	Pls.' Expert	No.	No.	
921	5/26/2005	S 1151 - Climate Stewardship and Innovation Act of 2005, Sen. McCain	US0099819-US0099824	Pls.' Expert	No.	No.	
922	6/9/1993	Clinton Backs off Plan for New Tax on Heat in Fuels, Rosebaum, David E., The New York Times	US0099825-US0099830	Pls.' Expert	No.	No.	
923	7/16/2018	House Voting on anti-carbon-tax measure: Pass the Popcorn, Sobczyk, Nick, E & E News	US0099831-US0099834	Pls.' Expert	No.	No.	
924	7/19/2018	House votes to disavow carbon tax, Cama, Timothy, The Hill	US0099835-US0099840	Pls.' Expert	No.	No.	
925	10/3/2004	U.S. Firms Look Ahead to Emissions Cuts Overseas, Eilperin, Juliet, The Washington Post	US0099841-US0099844	Pls.' Expert	No.	No.	
926	8/13/20009	Cap-and-Trade's Unlikely Critics: its Creators, Hilsenrath, Jon, U.S. News	US0099845-US0099854	Pls.' Expert	No.	No.	
927	5/2/2016	Monopoly and the Rate of Extraction of Exhaustible Resources, Stiglitz, Joseph E.	US0099855-US0099862	Pls.' Expert	No.	No.	
928	8/1/2014	U.S. Forest Resource Facts and Historical Trends, USDA	US0099863-US0099926	Pls.' Expert	No.	No.	
929		Factors Reducing US Carbon Dioxide Intensity	US0099927-US0099930	Pls.' Expert	No.	No.	
930	7/10/2008	The value of technological advance in decarbonizing the U.S. economy, Richels, Richard & Blanford, Geoffrey J., Elsevier	US0099931-US0099948	Pls.' Expert	No.	No.	
931	6/1/2016	The Economics of Coal Leasing on Federal Land: Ensuring a Fair Return to Taxpayers, Executive Office of the President	US0099949-US0099982	Pls.' Expert	No.	No.	
932	5/1/2015	IMF Working Paper: How Large Are Global Energy Subsidies?, Coady, David	US0099983-US0100024	Pls.' Expert	No.	No.	
933	5/1/2018	State and Trends of Carbon Pricing 2018, World Bank Group	US0100025-US0100086	Pls.' Expert	No.	No.	
934	9/18/2018	Kevin Trenebrth Deposition Transcript	US0100087-US0100381	Pls.' Expert	No.	Yes.	
935	4/11/2018	Kevin E. Trenberth Expert Report	US0100382-US0100497	Pls.' Expert	No.	No.	
936		Climate Science Special Report, U.S. Global Change Research Program, Fourth National Climate Assessment, Vol. 1	US0100498-US0100504	Pls.' Expert	No.	No.	

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937	11/21/2011	Declaration of Kevin E. Trenberth	US0100505-US0100530	Pls.' Expert	No.	No.	
938		Climate Change 2007, Synthesis report	US0100531-US0100642	Pls.' Expert	No.	No.	
939		Attribution of Extreme Weather Events in the Context of Climate Change, The National Academies of Sciences, Engineering, medicine	US0100643-US0100806	Pls.' Expert	No.	No.	
940		Appendix C, Detection and Attribution Methodologies Overview, Knutson, T.	US0100807-US0100815	Pls.' Expert	No.	No.	
941	7/23/2015	Study predicts multi-meter sea level rise this century, but not everyone agrees, Trenberth, Kevin, The Conversation	US0100816-US0100819	Pls.' Expert	No.	No.	
942		Climate System Modeling, Trenberth, Kevin E.	US0100820-US0100822	Pls.' Expert	No.	No.	
943	7/19/2017	Climate change will force today's kids to pay for costly carbon remove technologies, study says, Harvey, Chelsea, The Washington Post	US0100823-US0100826	Pls.' Expert	No.	No.	
944		Effects of Changing Climate on Weather and Human Activities, Trenberth, Kevin E.	US0100827-US0100830	Pls.' Expert	No.	No.	
945	10/12/2009	Email: to Michael Mann, from Kevin Trenberth. Re: BBC U-turn on climate	US0100831-US0100831	Pls.' Expert	No.	No.	
946		Useful Models, Marcus Caleb Cain	US0100832-US0100839	Pls.' Expert	No.	No.	
947	9/12/2018	Harold Wanless Deposition Transcript	US0100840-US0101014	Pls.' Expert	No.	Yes.	
948	4/4/2018	Harold R. Wanless Expert Report	US0101015-US0101118	Pls.' Expert	No.	No.	
949	3/30/2011	Sea-Level Rise from the Late 19th to the Early 21st Century, Church, John A. & White, Neil J.	US0101119-US0101136	Pls.' Expert	No.	No.	
950	1/22/2015	Probabilistic reanalysis of twentieth-century sea-level rise, Hay, Carling C. et al, Nature, Vol. 517	US0101137-US0101150	Pls.' Expert	No.	No.	
951	1/1/2017	Global and Regional Sea Level Rise Scenarios for the United States, NOAA	US0101151-US0101226	Pls.' Expert	No.	No.	
952	10/1/2015	United Sea Level Rise Project, Southeast Florida	US0101227-US0101264	Pls.' Expert	No.	No.	
953		Climate Phenomena and their Relevance for Future Regional Climate Change, Christensen, Jens Hesselbjerg	US0101265-US0101356	Pls.' Expert	No.	No.	
954	8/2/2018	Howard Frumkin Deposition	US0083840-US0084091	Pls.' Expert	No.	Yes.	
955	4/10/2018	Howard Frumkin Expert Report	US0084092-US0084143	Pls.' Expert	No.	No.	
956	12/23/2017	Pollution from Fossil-Fuel Combustion is the leading Environmental Threat to Global Pediatric Health and Equity: Solutions Exist, Perera, Frederica, Internatioanl Journal of Environmental Research and Public Health, Perera, Fredericka	US0084144-US0084161	Pls.' Expert	No.	No.	
957	9/14/2018	Susan Pacheco Deposition Transcript	US0084162-US0084415	Pls.' Expert	No.	Yes.	

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958	9/12/2018	Expert Report of Susan E. Pacheco and Jerome A. Paulson	US0084416-US0084509	Pls.' Expert	No.	No.	
959	1/29/2016	How Air Pollution Alters Brain Development: The Role of Neuroinflammation, Brockmeyer, Sam & D'Angiulli, Amedeo	US0084510-US0084517	Pls.' Expert	No.	No.	
960		Dr. Pacheco's Document for Plaintiffs' Residences and Information	US0084518-US0084518	Pls.' Expert	No.	No.	
961		Dr. Pacheco's Document Detailing Plaintiffs	US0084519-US0084526	Pls.' Expert	No.	No.	
962	10/1/2018	Lise Van Susteren Deposition Transcript	US0084527-US0084848	Pls.' Expert	No.	Yes.	
963	9/27/2018	Lise Van Susteren Supplemental Expert Report	US0084849-US0084894	Pls.' Expert	No.	No.	
964		Ex C to Lise Van Susteren Expert Report	US0084895-US0084918	Pls.' Expert	No.	No.	
965		Webster's Collegiate Dictionary: Definition of "Trauma."	US0084919-US0085018	Pls.' Expert	No.	No.	
966	4/13/2018	Lise Van Susteren Expert Report	US0085019-US0085019	Pls.' Expert	No.	No.	
967		Placeholder for Walters deposition transcript and exhibits	US0101357-US0101357	Pls.' Expert			
968		Placeholder for Jefferson deposition transcript and exhibits	US0101358-US0101358	Pls.' Expert			
969	10/2/2018	Jerome Paulson Deposition Transcript	US0085020-US0085282	Pls.' Expert	No.	Yes.	
970	1/19/2018	Climate change and Global Child Health, Pass, Rebecca & Chan, Kevin	US0085283-US0085288		No.	No.	
971	8/20/2018	Aji P. Deposition Transcript	US0085289-US0085392	Plaintiff	No.	Yes.	
972	6/28/2018	Aji P. Declaration	US0085393-US0085396	Plaintiff	No.	No.	
973	8/20/2018	Alex L. Deposition Transcript	US0085397-US0085560	Plaintiff	No.	Yes.	
974	6/28/2018	Alex L. Declaration	US0085561-US0085585	Plaintiff	No.	No.	
975	2005	Risk Factors of Allergic Rhinitis: Genetic or Environmental?, Wang, De-Yun, Therapeutics and Clinical Risk Managment	US0085586-US0085594	Plaintiff	No.	No.	
976	8/20/2018	Avery M. Deposition Transcript	US0085595-US0085699	Plaintiff	No.	Yes.	
977	6/27/2018	Avery M. Declaration	US0085700-US0085706	Plaintiff	No.	No.	
978	8/21/2018	Hazel V. Deposition Transcript	US0085707-US0085790	Plaintiff	No.	Yes.	
979	6/27/2018	Hazel V. Declaration	US0085791-US0085794	Plaintiff	No.	No.	
980	4/24/2017	"See You In Court": Kids suing Trump Admin Over Climate Change Speak Out at March for Science"	US0085795-US0085797	Plaintiff	No.	No.	
981	8/22/2018	Isaac V. Deposition Transcript	US0085798-US0085873	Plaintiff	No.	Yes.	

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982	6/27/2018	Isaac V. Declaration	US0085874-US0085881	Plaintiff	No.	No.	
983	8/21/2018	Jacob L. Deposition Transcript	US0085882-US0086002	Plaintiff	No.	Yes.	
984	6/27/2018	Jacob L. Declaration	US0086003-US0086013	Plaintiff	No.	No.	
985	9/13/2018	Jayden F. Deposition Transcript	US0086014-US0086105	Plaintiff	No.	Yes.	
986	6/27/2018	Jayden F. Declaration	US0086106-US0086127	Plaintiff	No.	No.	
987	9/7/2016	NOAA Climate Change Increased Chances of Record Rains in Louisiana by at least 40 percent Document	US0086128-US0086133	Plaintiff	No.	No.	
988	5/17/2016	Annual Energy Outlook 2016 Early Release: Annotated Summary of Two Cases Document	US0086134-US0086195	Plaintiff	No.	No.	
989	8/20/2018	Kelsey Juliana Deposition Transcript	US0086196-US0086247	Plaintiff	No.	Yes.	
990	8/20/2018	Kelsey Juliana Declaration	US0086248-US0086260	Plaintiff	No.	No.	
991	8/22/2018	Kelsey Juliana Deposition Transcript	US0086261-US0086328	Plaintiff	No.	Yes.	
992	8/22/2018	Miko V. Deposition Transcript	US0086329-US0086411	Plaintiff	No.	Yes.	
993	6/27/2018	Miko V. Declaration	US0086412-US0086417	Plaintiff	No.	No.	
994	9/19/2018	Nicholas V. Deposition Transcript	US0086418-US0086498	Plaintiff	No.	Yes.	
995	6/27/2018	Nicholas V. Declaration	US0086499-US0086504	Plaintiff	No.	No.	
996	9/29/2018	Sophie K. Deposition Transcript	US0086505-US0086603	Plaintiff	No.	Yes.	
997	6/27/2018	Sophie K. Declaration	US0086604-US0086609	Plaintiff	No.	No.	
998		United States of Climate Change, The Weather Channel	US0086610-US0086617	Plaintiff	No.	No.	
999	8/22/2018	Tia H. Deposition Transcript	US0086618-US0086732	Plaintiff	No.	Yes.	
1000	6/27/2018	Tia H. Declaration	US0086733-US0086737	Plaintiff	No.	No.	
1001	3/17/2017	Meet Tia Hatton, a Global Citizen of America Who is Suing Trump Over Climate Change	US0086738-US0086747	Plaintiff	No.	No.	
1002	9/22/2018	Victoria B. Deposition Transcript	US0086748-US0086900	Plaintiff	No.	Yes.	
1003	1/5/2016	Victoria B. Declaration	US0086901-US0086904	Plaintiff	No.	No.	
1004	6/27/2018	Victoria B. Declaration	US0086905-US0086912	Plaintiff	No.	No.	
1005	9/18/2018	Xiutezcatl Tonatiuh M. Deposition Transcript	US0086913-US0086997	Plaintiff	No.	Yes.	
1006	6/27/2018	Xiutezcatl Tonatiuh M. Declaration	US0086998-US0087009	Plaintiff	No.	No.	

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1007	4/5/2018	Mountain snowpack shrinks to 66 percent of normal, feds sound drought alarm	US0087010-US0087014	Plaintiff	No.	No.	
1008	8/21/2018	Zealand B. Deposition Transcript	US0087015-US0087094	Plaintiff	No.	Yes.	
1009	6/27/2018	Zealand B. Declaration	US0087095-US0087101	Plaintiff	No.	No.	
1010	4/29/2018	News Reel: The kids suing Donald Trump are marching to the White House	US0087102-US0087102	Plaintiff	No.	No.	
1011	11/11/2016	Kids are taking the Feds and Possibly Trump to Court over Climate Change, Sutter, John D., CNN	US0087103-US0087105	Plaintiff	No.	No.	
1012		Placeholder for Jaime B. Deposition Transcript & Exs.	US0087106-US0087106	Plaintiff			
1013		Placeholder for Journey Z. Deposition Transcript & Exs.	US0087107-US0087107	Plaintiff			
1014		Placeholder for Kiran O. Deposition Transcript & Exs.	US0087108-US0087108	Plaintiff			
1015		Placeholder for Levi D. Deposition Transcript & Exs.	US0087109-US0087109	Plaintiff			
1016		Placeholder for Nathan B. Deposition Transcript & Exs.	US0087110-US0087110	Plaintiff			
1017		Placeholder for Sahara V. Deposition Transcript & Exs.	US0087111-US0087111	Plaintiff			
1018	1/27/2011	Record for Alex L. - receipt, Mignola Farms, Inc.	P00000121630 - P00000121630	Plaintiff	No.	No.	
1019	2/3/2011	Record for Alex L. - receipt from (illegible) Rich Nurseries, Hillsboro, OR	P00000121631 - P00000121631	Plaintiff	No.	No.	
1020	Various	Record for Alex L. - prescription profile, Walgreens; medical records request, Asthma and Allergy Center, P.C.; medical records; letter, Alice H. Chou, M.D.; test results, PeaceHealth Laboratories	P00000121632 - P00000121640	Plaintiff	No.	No.	
1021	1/1/2008 - 8/13/2018	Record for Alex L. - Evergreen Family Medicine, Encounters and Procedures	P00000121641 - P00000121653	Plaintiff	No.	No.	
1022	5/24/2007	Record for Alex L. - letter from Barnes & Associates, Inc. to Janet Fisher	P00000121654 - P00000121656	Plaintiff	No.	No.	
1023	6/23/2015 - 7/30/2015	Record for Alex L. - emails re camping	P00000121657 - P00000121677	Plaintiff	No.	No.	
1024		Record for Alex L. - expenditures	P00000121678 - P00000121678	Plaintiff	No.	No.	
1025		Record for Alex L. - 2012 expenses	P00000121679 - P00000121679	Plaintiff	No.	No.	

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1026	3/12/2018	Record for Alex L. - Work order, Douglas Electric	P00000121680 -	Plaintiff	No.	No.	
1027		Record for Alex L. - Project quote summary/contract, Pacific Ag Systems, Inc.	P00000121681 -	Plaintiff	No.	No.	
1028	3/1/2018	Record for Alex L. - handwritten receipt for sale of John Deere 5520N tractor to Robin Loznak	P00000121682 -	Plaintiff	No.	No.	
1029	2/27/2014	Record for Alex L. - receipt, Bush's nursery	P00000121683 -	Plaintiff	No.	No.	
1030	2/16/2015	Record for Alex L. - receipt, Bush's nursery	P00000121684 -	Plaintiff	No.	No.	
1031	2/22/2016	Record for Alex L. - receipt, Bush's nursery	P00000121685 -	Plaintiff	No.	No.	
1032	1/11/2012	Record for Alex L. - receipt, Mignola Farms, Inc.	P00000121686 -	Plaintiff	No.	No.	
1033	2/2/2011	Record for Alex L. - receipt, Bush's nursery	P00000121687 -	Plaintiff	No.	No.	
1034	2/2/2012	Record for Alex L. - receipt, Bush's nursery	P00000121688 -	Plaintiff	No.	No.	
1035	8/24/2017 - 8/28/2017	Record for Alex L. - text conversation re Coos Bay Wagon Road	P00000121689 -	Plaintiff	No.	No.	
1036	1/9/2018	Record for Alex L. - receipt, Bush's nursery	P00000121700 -	Plaintiff	No.	No.	
1037	2/3/2011	Record for Alex L. - receipt, Holcomb Bros Inc	P00000121701 -	Plaintiff	No.	No.	
1038		Record for Alex L. - photograph	P00000121702 -	Plaintiff	No.	No.	
1039		Record for Alex L. - photograph	P00000121703 -	Plaintiff	No.	No.	
1040		Record for Alex L. - photograph	P00000121704 -	Plaintiff	No.	No.	
1041		Record for Alex L. - photograph	P00000121705 -	Plaintiff	No.	No.	
1042		Record for Alex L. - photograph	P00000121706 -	Plaintiff	No.	No.	

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1043		Record for Alex L. - photograph	P00000121707 -	Plaintiff	No.	No.	
1044		Record for Alex L. - photograph	P00000121708 -	Plaintiff	No.	No.	
1045		Record for Alex L. - photograph	P00000121709 -	Plaintiff	No.	No.	
1046		Record for Alex L. - photograph	P00000121710 -	Plaintiff	No.	No.	
1047		Record for Alex L. - photograph	P00000121711 -	Plaintiff	No.	No.	
1048		Record for Alex L. - photograph	P00000121712 -	Plaintiff	No.	No.	
1049		Record for Alex L. - photograph	P00000121713 -	Plaintiff	No.	No.	
1050		Record for Alex L. - photograph	P00000121714 -	Plaintiff	No.	No.	
1051		Record for Alex L. - photograph	P00000121715 -	Plaintiff	No.	No.	
1052		Record for Alex L. - photograph	P00000121716 -	Plaintiff	No.	No.	
1053		Record for Alex L. - photograph	P00000121717 -	Plaintiff	No.	No.	
1054	3/26/2018	Record for Alex L. - purchase order for John Deere equipment	P00000121718 -	Plaintiff	No.	No.	
1055	2/20/2018	Record for Alex L. - receipt, Matejcek's	P00000121719 -	Plaintiff	No.	No.	
1056		Record for Alex L. - timber value calculations	P00000121720 -	Plaintiff	No.	No.	
1057	Various	Record for Alex L. - EasyFill Customer Statement Report; Columbia Health medical records	P00000122980 -	Plaintiff	No.	No.	
1058	1/1/2018 - 8/27/2018	Record for Alex L. - Evergreen Family Medicine, Encounters and Procedures	P00000122997 -	Plaintiff	No.	No.	
1059	9/15/2017	Record for Avery M.- KVAL article: Wildfire Smoke Back into Lane County Overnight	P00000123001 -	Plaintiff	No.	No.	
			P00000119100 -				
			P00000119111				

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1060	9/4/2017	Record for Avery M. - Eugene School District, Air Quality and School Activities	P00000119112 - P00000119113	Plaintiff	No.	No.	
1061	7/26/2017	Record for Avery M. - The Oregonian/Oregon Live Article: Algae alert issued for Odell Lake	P00000119114 - P00000119116	Plaintiff	No.	No.	
1062	8/28/2017	Record for Avery M.- KVAL article: CDC: Smoke from wildfires can 'get into deep part of your lungs and even into your blood'	P00000119117 - P00000119127	Plaintiff	No.	No.	
1063	9/4/2017	Record for Avery M.- The Register Guard article: Danger in the air	P00000119128 - P00000119130	Plaintiff	No.	No.	
1064	12/21/2015	Record for Avery M.- National Park Service, How important is Whitebark Pine to grizzly bears?	P00000119131 - P00000119137	Plaintiff	No.	No.	
1065	2/11/2015	Record for Avery M.- article from bendbulletin.com: Is Hoodoo done?	P00000119138 - P00000119141	Plaintiff	No.	No.	
1066	5/11/2017	Record for Avery M.- UC San Diego NewsCenter article: Measuring the impact of a changing climate on threatened Yellowstone grizzly bears	P00000119142 - P00000119144	Plaintiff	No.	No.	
1067	9/1/2017	Record for Avery M.- KMTR article: Mt. Pisgah closes trails due to fire danger	P00000119145 - P00000119149	Plaintiff	No.	No.	
1068	3/11/2015	Record for Avery M.- USDA press release: Record low snowpack in Cascades, Sierra Nevada	P00000119150 - P00000119151	Plaintiff	No.	No.	
1069	9/6/2017	Record for Avery M.- KVAL article: Sisters Folk Festival joins growing list of cancellations, closures due to Oregon fires	P00000119152 - P00000119163	Plaintiff	No.	No.	
1070	3/22/2018	Record for Avery M.- KVAL article: Tree pollen count: anything over 90 is high. The count Wednesday? 329	P00000119164 - P00000119170	Plaintiff	No.	No.	
1071	9/10/2017	Record for Avery M.- The Register Guard article: Wildfire smoke breaks records	P00000119171 - P00000119173	Plaintiff	No.	No.	
1072	9/5/2017	Record for Avery M.- Communication to families re LRAPA air quality	P00000119174 - P00000119174	Plaintiff	No.	No.	
1073	9/5/2017	Record for Avery M.- Messages from the Village School re school closure	P00000119175 - P00000119175	Plaintiff	No.	No.	
1074	9/15/2017	Record for Avery M.- Message from the Village School re indoor recess due to air quality	P00000119176 - P00000119176	Plaintiff	No.	No.	
1075	Various	Record for Isaac V. - letters and spirometry reports, Michael V. Osborne, MD	P00000121740 - P00000121760	Plaintiff	No.	No.	
1076	8/14/2018	Record for Isaac V. - Email from Health and Human Services PIO Wendy Gordon, Washington County, re Air Quality Today	P00000121761 - P00000121761	Plaintiff	No.	No.	

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1077	8/14/2018	Record for Isaac V. - Oregon DEQ, Current AQI (combined PM and O3)	P00000121762 -	Plaintiff	No.	No.	
1078	10/3/2017	Record for Isaac V. - Extremely high levels of PM2.5: steps to reduce your exposure	P00000121764 -	Plaintiff	No.	No.	
1079	8/15/2018	Record for Isaac V. - KOIN article: Thick wildfire smoke socks in Portland metro	P00000121765 -	Plaintiff	No.	No.	
1080		Record for Jacob L. - photograph	P00000121766 -	Plaintiff	No.	No.	
1081		Record for Jacob L. - photograph	P00000121768 -	Plaintiff	No.	No.	
1082		Record for Jacob L. - photograph	P00000122900 -	Plaintiff	No.	No.	
1083		Record for Jacob L. - photograph	P00000122900 -	Plaintiff	No.	No.	
1084		Record for Jacob L. - photograph	P00000122901 -	Plaintiff	No.	No.	
1085		Record for Jacob L. - photograph	P00000122901 -	Plaintiff	No.	No.	
1086		Record for Jacob L. - photograph	P00000122902 -	Plaintiff	No.	No.	
1087		Record for Jacob L. - photograph	P00000122902 -	Plaintiff	No.	No.	
1088		Record for Jacob L. - photograph	P00000122903 -	Plaintiff	No.	No.	
1089		Record for Jacob L. - photograph	P00000122903 -	Plaintiff	No.	No.	
1090		Record for Jacob L. - photograph	P00000122904 -	Plaintiff	No.	No.	
1091		Record for Jacob L. - photograph	P00000122904 -	Plaintiff	No.	No.	
1092		Record for Jacob L. - photograph	P00000122905 -	Plaintiff	No.	No.	
1093		Record for Jacob L. - photograph	P00000122905 -	Plaintiff	No.	No.	
			P00000122906 -	Plaintiff	No.	No.	
			P00000122906 -	Plaintiff	No.	No.	
			P00000122907 -	Plaintiff	No.	No.	
			P00000122907 -	Plaintiff	No.	No.	
			P00000122908 -	Plaintiff	No.	No.	
			P00000122908 -	Plaintiff	No.	No.	
			P00000122909 -	Plaintiff	No.	No.	
			P00000122909 -	Plaintiff	No.	No.	
			P00000122910 -	Plaintiff	No.	No.	
			P00000122910 -	Plaintiff	No.	No.	
			P00000122911 -	Plaintiff	No.	No.	
			P00000122911 -	Plaintiff	No.	No.	
			P00000122912 -	Plaintiff	No.	No.	
			P00000122912 -	Plaintiff	No.	No.	
			P00000122913 -	Plaintiff	No.	No.	
			P00000122913				

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1094		Record for Jacob L. - photograph	P00000122914 -	Plaintiff	No.	No.	
1095		Record for Jacob L. - photograph	P00000122914 -	Plaintiff	No.	No.	
1096		Record for Jacob L. - photograph	P00000122915 -	Plaintiff	No.	No,	
1097		Record for Jacob L. - photograph	P00000122915 -	Plaintiff	No.	No.	
1098		Record for Jacob L. - photograph	P00000122916 -	Plaintiff	No.	No.	
1099		Record for Jacob L. - photograph	P00000122916 -	Plaintiff	No.	No.	
1100		Record for Jacob L. - photograph	P00000122917 -	Plaintiff	No.	No.	
1101		Record for Jacob L. - photograph	P00000122917 -	Plaintiff	No.	No.	
1102		Record for Jacob L. - photograph	P00000122918 -	Plaintiff	No.	No.	
1103		Record for Jacob L. - photograph	P00000122918 -	Plaintiff	No.	No.	
1104		Record for Jacob L. - photograph	P00000122919 -	Plaintiff	No.	No.	
1105		Record for Jacob L. - photograph	P00000122919 -	Plaintiff	No.	No.	
1106		Record for Jacob L. - photograph	P00000122920 -	Plaintiff	No.	No.	
1107		Record for Jacob L. - photograph	P00000122920 -	Plaintiff	No.	No.	
1108		Record for Jacob L. - photograph	P00000122921 -	Plaintiff	No.	No.	
1109		Record for Jacob L. - photograph	P00000122921 -	Plaintiff	No.	No.	
1110		Record for Jacob L. - photograph	P00000122922 -	Plaintiff	No.	No.	
1111		Record for Jacob L. - photograph	P00000122922 -	Plaintiff	No.	No.	
1112		Record for Jacob L. - photograph	P00000122923 -	Plaintiff	No.	No.	
1113		Record for Jacob L. - photograph	P00000122923 -	Plaintiff	No.	No.	
1114		Record for Jacob L. - photograph	P00000122924 -	Plaintiff	No.	No.	
1115		Record for Jacob L. - photograph	P00000122924 -	Plaintiff	No.	No.	
1116		Record for Jacob L. - photograph	P00000122925 -	Plaintiff	No.	No.	
1117		Record for Jacob L. - photograph	P00000122925 -	Plaintiff	No.	No.	
1118		Record for Jacob L. - photograph	P00000122926 -	Plaintiff	No.	No.	
1119		Record for Jacob L. - photograph	P00000122926 -	Plaintiff	No.	No.	
1120		Record for Jacob L. - photograph	P00000122927 -	Plaintiff	No.	No.	
1121		Record for Jacob L. - photograph	P00000122927 -	Plaintiff	No.	No.	
1122		Record for Jacob L. - photograph	P00000122928 -	Plaintiff	No.	No.	
1123		Record for Jacob L. - photograph	P00000122928 -	Plaintiff	No.	No.	
1124		Record for Jacob L. - aerial photograph	P00000122942 -	Plaintiff	No.	No.	
1125		Record for Jacob L. - aerial photograph	P00000122942 -	Plaintiff	No.	No.	
1126		Record for Jayden F. - photograph	P00000137100 -	Plaintiff	No.	No.	
1127		Record for Jayden F. - photograph	P00000137100 -	Plaintiff	No.	No.	

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DX	Doc. Date	Document Description	Bates	Witness Type	Plaintiffs specific objections to authenticity?	Plaintiffs specific objections to admissibility?	Defendants' Rule 1006 description (Def. Exhibits 1171-1616)
1111		Record for Jayden F. - photograph	P00000137101 -	Plaintiff	No.	No.	
1112		Record for Jayden F. - photograph	P00000137102 -	Plaintiff	No.	No.	
1113		Record for Jayden F. - photograph	P00000137103 -	Plaintiff	No.	No.	
1114		Record for Jayden F. - photograph	P00000137104 -	Plaintiff	No.	No.	
1115		Record for Jayden F. - photograph	P00000137105 -	Plaintiff	No.	No.	
1116		Record for Jayden F. - photograph	P00000137106 -	Plaintiff	No.	No.	
1117		Record for Jayden F. - photograph	P00000137107 -	Plaintiff	No.	No.	
1118	9/27/2018	Record for Jayden F. - Mental Health Report, author Jenny M. Istre, Licensed Professional Counselor	P00000137108 -	Plaintiff	No.	No.	
1119		Record for Jayden F. - photograph	P00000137109 -	Plaintiff	No.	No.	
1120		Record for Jayden F. - photograph	P00000137110 -	Plaintiff	No.	No.	
1121		Record for Jayden F. - photograph	P00000137111 -	Plaintiff	No.	No.	
1122		Record for Jayden F. - photograph	P00000137112 -	Plaintiff	No.	No.	
1123	April 16 (no year)	Record for Journey Z. - Hawaii Now message and photograph	P00000137133 -	Plaintiff	No.	No.	
1124	4/4/2013	Record for Kelsey Juliana - DiagnosTechs lab test results	P00000122937 -	Plaintiff	No.	No.	
1125	5/29/2013	Record for Kelsey Juliana - Hiron Pharmacy Patient Counseling, Yodoxin	P00000122941 -	Plaintiff	No.	No.	
1126	8/27/2018	Record for Kiran O. - allergy test records	P00000137113 -	Plaintiff	No.	No.	
1127	October, 2014	Record for Kiran O. - Seattle Magazine article: How oil trains through downtown Seattle could put us at risk	P00000137121 -	Plaintiff	No.	No.	
			P00000137123				

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1128		Record for Levi D. - photograph	P00000137130 -	Plaintiff	No.	No.	
1129		Record for Levi D. - photograph	P00000137131 -	Plaintiff	No.	No.	
1130		Record for Levi D. - photograph	P00000137132 -	Plaintiff	No.	No.	
1131	8/14/2018	Record for Miko V. - Email from Health and Human Services PIO Wendy Gordon, Washington County, re Air Quality Today	P00000121725 -	Plaintiff	No.	No.	
1132	8/14/2018	Record for Miko V. - Oregon DEQ, Current AQI (combined PM and O3)	P00000121726 -	Plaintiff	No.	No.	
1133	10/3/2017	Record for Miko V. - Extremely high levels of PM2.5: steps to reduce your exposure	P00000121727 -	Plaintiff	No.	No.	
1134	8/15/2018	Record for Miko V. - KOIN article: Thick wildfire smoke socks in Portland metro	P00000121728 -	Plaintiff	No.	No.	
1135	11/11/2015	Record for Nathan B. - Word document: Climate change action is in the best interest of all industries	P00000121729 -	Plaintiff	No.	No.	
1136	2/1/2015	Record for Nathan B. - Word document: Climate change letter for meeting	P00000121730 -	Plaintiff	No.	No.	
1137	12/6/2014	Record for Nathan B. - Word document: Climate change overview	P00000121732 -	Plaintiff	No.	No.	
1138	9/15/2014	Record for Nathan B. - Word document: Climate disruption LTTE	P00000121500 -	Plaintiff	No.	No.	
1139	5/22/2015	Record for Nathan B. - Word document: Dear President Obama - letter to President Obama re. climate change, oil drilling	P00000121502 -	Plaintiff	No.	No.	
1140	3/22/2015	Record for Nathan B. - Word document: Dear Rep Wilson - letter to Rep. Wilson re. recent meeting at AYE; warming weather in Juneau	P00000121503 -	Plaintiff	No.	No.	
1141	3/22/2015	Record for Nathan B. - Word document: Dear Rep Young - letter to Rep. Young re. sponsorship of HR 5314	P00000121504 -	Plaintiff	No.	No.	
1142	3/22/2015	Record for Nathan B. - Word document: Dear Sen Coghill - letter to Sen. Coghill re. recent meeting; warming weather in Juneau; renewable resources	P00000121506 -	Plaintiff	No.	No.	
1143	9/19/2014	Record for Nathan B. - Word document: Letter to Lisa Murkowski - letter re. climate change	P00000121507 -	Plaintiff	No.	No.	
1144	9/18/2014	Record for Nathan B. - Word document: Letter to Mark Begich - letter re. climate change, climate disruption	P00000121508 -	Plaintiff	No.	No.	

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1145	9/17/2014	Record for Nathan B. - Word document: Letter to Scott Kawasaki - letter re. climate disruption	P00000121520 -	Plaintiff	No.	No.	
1146	10/31/2016	Record for Nathan B. - Word document: Letter of support for Standing Rock - general letter of support for Standing Rock Sioux regarding Dakota Access Pipeline	P00000121521 -	Plaintiff	No.	No.	
1147	6/15/2018	Record for Nathan B. - Medical records, Tanana Valley Clinic	P00000121522 -	Plaintiff	No.	No.	
1148	8/16/2018	Record for Nicholas V. - Patient ledger, Mile High Allergy Asthma Sinus	P00000121607 -	Plaintiff	No.	No.	
1149	8/3/2018	Record for Nicholas V. - Medical records, Kids First Pediatrics	P00000121610 -	Plaintiff	No.	No.	
1150	8/8/2018	Record for Sahara V. - letter from Catherine Kordes, MD re 2007 hospitalization for asthma	P00000121611 -	Plaintiff	No.	No.	
1151	10/5/2018	Record for Sophie K. - letter from Sara Taff, LPC, MA re. treatment for Generalized Anxiety Disorder	P00000137159 -	Plaintiff	No.	No.	
1152	10/1/2018	Record for Sophie K. - letter from Rosa Gomez De Jesus, MD, FAAP re. treatment for anxiety	P00000141362 -	Plaintiff	No.	No.	
1153	8/31/2016	Record for Tia H. - medical records, Praxis Medical Group	P00000137170 -	Plaintiff	No.	No.	
1154	8/3/2018	Record for Tia H. - Patient Chart Report, Praxis Medical Group	P00000121620 -	Plaintiff	No.	No.	
1155	8/17/2018	Record for Zealand B. - letter from Catherine Kordes, MD re. discussion of possible allergies	P00000121627 -	Plaintiff	No.	No.	
1156		Record for Zealand B. - photograph	P00000122185 -	Plaintiff	No.	No.	
1157		Record for Zealand B. - photograph	P00000122224 -	Plaintiff	No.	No.	
1158		Record for Zealand B. - photograph	P00000121775 -	Plaintiff	No.	No.	
1159		Record for Zealand B. - photograph	P00000121776 -	Plaintiff	No.	No.	
1160		Record for Zealand B. - photograph	P00000121777 -	Plaintiff	No.	No.	
1161		Record for Zealand B. - photograph	P00000121778 -	Plaintiff	No.	No.	
			P00000121779 -	Plaintiff	No.	No.	
			P00000121780 -	Plaintiff	No.	No.	
			P00000121781 -	Plaintiff	No.	No.	
			P00000121781	Plaintiff	No.	No.	

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1162		Record for Zealand B. - photograph	P00000121782 -	Plaintiff	No.	No.	
1163		Record for Zealand B. - photograph	P00000121783 -	Plaintiff	No.	No.	
1164		Record for Zealand B. - photograph	P00000121784 -	Plaintiff	No.	No.	
1165	10/13/2017	Record for Zealand B. - NY Times article: In California, fires so fast hesitation proved lethal	P00000121785 -	Plaintiff	No.	No.	
1166		Record for Jayden F. - photograph	P00000190100 -	Plaintiff	No.	No.	
1167		Record for Jayden F. - photograph	P00000190101 -	Plaintiff	No.	No.	
1168		Record for Jayden F. - photograph	P00000190102 -	Plaintiff	No.	No.	
1169		Record for Jayden F. - photograph	P00000190103 -	Plaintiff	No.	No.	
1170		Record for Jayden F. - photograph	P00000190104 -	Plaintiff	No.	No.	
1171	7/13/88	Global Change Research	US00000001- US00000098	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine the issue of global climatic and environmental change, including global warming and stratospheric ozone depletion, and to consider Federal policy and research responses. Includes brief consideration of S. 2614 (text, p. 8-20), the National Science and Technology Policy Amendments of 1988, to add title VI, the National Global Change Research Act of 1988, to the National Science and Technology Policy, Organization, and Priorities Act of 1976 to improve coordination and planning of Federal agency scientific research on global warming trends and changes in the Earth's atmosphere, oceans, and land masses.
1172	2/22/1989	National Global Change Research Act of 1989	US00000099- US00000286	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 169 (text, p. 14-28), the National Global Change Research Act of 1989, to amend the National Science and Technology Policy, Organization, and Priorities Act of 1976 to improve coordination of Federal agency scientific research on global warming trends, ozone layer depletion, and other changes in the Earth's atmosphere, oceans, and land masses. Bill requires the Federal Coordinating Council for Science, Engineering, and Technology (FCCSET) to develop and oversee implementation of a 10-year national global change research plan, and to define the roles of NASA, NOAA, and NSF in plan implementation.

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1173	3/14/89	National Energy Policy Act of 1989 (Energy Efficiency and Renewable Energy), Part 1	US0000287-US0000870	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to consider S. 324, the National Energy Policy Act of 1989, to establish an energy policy and programs to address the issue of global warming and develop strategies to respond to environmental problems caused by increased atmospheric concentrations of carbon dioxide and other heat-retaining gases produced in burning fossil fuels (greenhouse effect). Focuses on bill provisions concerning energy efficiency and renewable energy technologies.
1174	5/20/1989	Global Warming and Its Implications for California	US0000871-US0001052	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Santa Monica, Calif., to examine implications for California of potential effects of global warming and environmental changes caused by increased atmospheric concentrations of carbon dioxide and other gases produced in burning fossil fuels (greenhouse effect).
1175	7/26/89	DOE's National Energy Plan and Global Warming	US0001053-US0001210	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine national energy policy proposals, in context of environmental considerations regarding air quality and potential global climate changes (greenhouse effect).
1176	8/10/1989	Responding to the Problem of Global Warming	US0001211-US0001335	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Hartford, Conn., before the Subcommittee on Environmental Protection to examine the problem of global warming (greenhouse effect) and to review energy policy solutions to global environmental change, focusing on energy conservation programs in Connecticut. Connecticut State Senators George L. Gunther and John W. Atkin and Connecticut State Representatives Sidney Holbrook, Pete Smith, Ken Caruso, and Mary Mushinsky present opening statements (p. 1-6).
1177	10/26/89	National Energy Policy Act of 1989 (PURPA)	US0001336-US0001839	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Continuation of hearings to consider S. 324, the National Energy Policy Act of 1989, to amend the Public Utility Regulatory Policies Act (PURPA) of 1978 and the Federal Power Act to establish an energy policy to address the issue of global warming and develop strategies to respond to environmental problems caused by increased atmospheric concentrations of carbon dioxide and other heat-retaining gases produced in burning fossil fuels (greenhouse effect). This volume focuses on title 3, subtitle B provisions to reduce energy demand and promote conservation by requiring States to consider the adoption of a Federal least-cost energy supply standard for natural gas and electricity distributors and sellers; and to require electric utilities to "purchase" energy conservation by providing subsidies to energy conservation entities qualified by FERC.

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1178	4/5/90	National Energy Policy Act of 1989 and Federal Energy Management Amendments of 1990	US0001840-US0002014	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 324, the National Energy Policy Act of 1989, to establish an energy policy to address the problem of global warming and climate changes (greenhouse effect), focusing on strategies to lessen the generation of carbon dioxide and other heat-retaining gases produced in burning fossil fuels. Also briefly considers S. 2191, the Federal Energy Management Amendments of 1990, to amend the National Energy Conservation Policy Act to accelerate Federal agencies installment of cost-effective energy conservation measures in Federal buildings.
1179	2/21/91	Global Climate Change and Greenhouse Emissions	US0002015-US0002441	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Health and the Environment to examine issues related to a possible global warming trend, thought to result in part from emissions into the atmosphere of carbon dioxide and other gases (greenhouse gases). Includes review of U.S. and international activities to assess and respond to the possible warming trend, including efforts to reduce the emission of greenhouse gases.
1180	2/21/91	Motor Vehicle Fuel Efficiency Act	US0002442-US0002619	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on the Consumer to consider S. 279 (text, p. 11-29), the Motor Vehicle Fuel Efficiency Act, to amend the Motor Vehicle Information and Cost Savings Act to require automobile manufacturers to increase corporate average fuel economy (CAFE) for newly manufactured automobiles and light trucks by 20 in model year 1996 and by 40 in model year 2001.
1181	4/25/91	Policy Implications of Greenhouse Warming	US0002620-US0002695	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review the findings and policy recommendations of a National Academy of Sciences (NAS) report on the global warming greenhouse effect, thought to result from the release into the atmosphere of various gases, including carbon dioxide emitted by fossil fuels.

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1182	6/19/91	National Energy Strategy (Part 7)	US0002696-US0003499	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Continuation of hearings before the Subcommittee on Energy and Power to consider proposals to revise Federal energy policies and promote U.S. energy security. This volume examines global warming issues related to energy policy, coal products and technologies, and regional energy issues in Maryland and New York. Also considers the following: H. Res. 134 (text, p. 3-7), to express the sense of the House of Representatives that the U.S. should implement National Academy of Sciences (NAS) recommendations for preventing global warming, including reduction of greenhouse gas emissions. 101st Congress H.R. 5966 and similar CO2 Offset Policy Efficiency Act (COPE) of 1991, both to require certain new utilities and other industrial producers of carbon dioxide (CO2) emissions to secure offsetting CO2 emissions reductions through energy efficiency improvements and other measures; and allow the sale and trade of credits for CO2 emission reductions among CO2 producers. H.R. 2639 (text, p. 264-282), the Domestic Energy Resources Act of 1991, Title II, and similar S. 1220, Title XIV, and H.R. 1543, Title VII, all three to require DOE to establish coal products and technologies programs, including clean coal technology. Hearing on Sept. 10 was held in Annapolis, Md., and on Sept. 20 in NYC. David N. Dinkins, Mayor of NYC, makes welcoming remarks (p. 722).
1183	7/11/91	U.S. Energy Research and Development Policy: Parts I-IV	US0003500-US0004084	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Energy to review national energy R&D policy issues. Includes examination of energy R&D programs at DOE laboratories, Government-industry cooperative energy R&D activities, and Administration National Energy Strategy (NES).
1184	7/17/91	Technologies and Strategies for Addressing Global Warming	US0004085-US0004282	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine strategies and technological developments to address potential global warming problems resulting from increased concentrations of carbon dioxide and other greenhouse gases in the atmosphere due to human activities. Reviews the importance of energy conservation and efficiency to reduce emissions of greenhouse gases.
1185	10/7/91	Global Change Research: The Role of Clouds in Climate Change	US0004283-US0004377	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review research on the role of clouds in climate change, including implications for global warming.

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1186	10/8/91	Priorities in Global Climate Change Research	US0004378-US0004621	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Science to examine research programs and priorities on greenhouse warming global climate changes caused by increased atmospheric greenhouse gas concentration resulting from human activities.
1187	5/5/92	U.S. Global Change Research Program	US0004622-US0004824	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Environment to examine the status and policy implications of climate change and global warming research.
1188	3/10/93	Global Warming (Part 1)	US0004825-US0004970	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Energy and Power to review the nature and policy implications of climate change and global warming.
1189	3/30/93	Science Concerning Global Climate Change	US0004971-US0005054	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review the nature and policy implications of climate change and global warming.
1190	6/29/93	National Action Plan for Reducing Greenhouse Gas Emissions, Part 1	US0005055-US0005159	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine strategies for reducing greenhouse gas emissions in response to concerns about global warming. Examines the Administration's National Action Plan, required under the UN Framework Convention on Climate Change, to stabilize greenhouse gas emissions to 1990 levels by the year 2000.
1191	7/29/93	Global Warming (Part 2)	US0005160-US0005543	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Continuation of hearings before the Subcommittee on Energy and Power to review the nature and policy implications of climate change and global warming. Examines the status of scientific knowledge on use of forests and other biomass resources to store carbon dioxide and reduce greenhouse gas emissions. Also reviews the President's climate change action plan (CCAP) to reduce greenhouse emissions by the year 2000 to 1990 levels through implementation of voluntary initiatives involving interagency and Government/industry cooperative efforts.

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1192	10/6/94	Global Warming (Part 3)	US0005544- US0005661	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Continuation of hearings before the Subcommittee on Energy and Power to review the nature and policy implications of climate change and global warming. Examines international efforts to reduce greenhouse gas emissions, including cooperation in joint implementation pilot projects in developing countries. Also reviews the Administration's climate change action plan (CCAP) to reduce greenhouse emissions by the year 2000 to 1990 levels through implementation of voluntary initiatives involving interagency and Government/industry cooperative efforts.
1193	7/21/97	Conditions Regarding U.N. Framework Convention on Climate Change	US0005662- US0005993	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to formulate a recommendation on a Senate resolution regarding the conditions for the United States to become a signatory to any international agreement on greenhouse gas emissions under the United Nations Framework Convention on Climate Change at the July 1997 negotiation sessions in Bonn, Germany.
1194	11/13/97	Many Ways Renewable Fuels Could Aid in Decreasing Greenhouse Gas Emissions and Increasing Energy Security	US0005994- US0006035	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine new developments in biofuels technology which make it possible to use cellulosic biomass to produce ethanol as a transportation fuel, and to assess the anticipated benefits of increased use of ethanol for energy security and reduction in greenhouse gas emissions.
1195	7/22/98	Bill Richardson Nomination	US0006036- US0006208	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider the nomination of Bill Richardson (US Permanent Rep to the UN) to be Secretary, DOE.
1196	3/24/99	Credit for Early Reductions Act	US0006209- US0006341	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to consider S. 547 (text, p. 110-129), the Credit for Voluntary Reductions Act, to authorize the President to enter into agreements to provide regulatory credit, usable in any future domestic program requiring mitigation of greenhouse gas emissions, to companies that voluntarily reduce emissions of carbon dioxide and other greenhouse gases believed to contribute to global climate change, and to landowners who implement forest or agricultural management practices that promote carbon sequestration. Hearing on June 3 was held in Providence, R.I.
1197	5/4/00	Carbon Cycle Research and Agriculture's Role in Reducing Climate Change	US0006342- US0006461	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Research, Nutrition, and General Legislation to examine the status of carbon cycle research and the role of agriculture in mitigating human-produced greenhouse gas effects associated with global climate change.

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1198	5/17/00	Science Behind Global Warming	US0006462-US0006564	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine status of scientific knowledge on global climate change, and to assess the future research agenda for understanding climate change.
1199	7/18/00	Climate Change Impacts to the U.S.	US0006565-US0006625	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential impacts of global climate change on the U.S.
1200	9/21/00	Solutions to Climate Change	US0006626-US0006700	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review Federal policy options to address global climate change, including reducing emissions of carbon dioxide and other greenhouse gases believed to contribute to global climate change.
1201	9/28/00	Climate Change: Status of the Kyoto Protocol After Three Years	US0006701-US0006740	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Joint hearing with the Senate Energy and Natural Resources Committee to examine the climate change mitigation protocol negotiated at the Dec. 1997 international conference held in Kyoto, Japan on the UN Framework Convention on Climate Change (Kyoto Protocol) to reduce emissions of carbon dioxide and other greenhouse gases believed to contribute to global climate change.
1202	5/1/01	Intergovernmental Panel on Climate Change (IPCC) Third Assessment Report	US0006741-US0006831	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review the Intergovernmental Panel on Climate Change (IPCC) 2001 report assessing the scientific understanding of global climate change trends, implications, and mitigation strategies.
1203	5/23/01	Carbon Sequestration: Measurements and Benefits	US0006832-US0006872	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Science, Technology, and Space to examine economic and environmental benefits of carbon sequestration projects and to review status of efforts to enhance the soil carbon measurement process.

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1204	7/10/01	Climate Change Technology and Policy Options	US0006873-US0007075	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review Federal policy options to address global climate change, and to examine technologies to reduce emission of carbon dioxide and other greenhouse gases.
1205	7/24/02	Implementation of Environmental Treaties	US0007076-US0007448	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Joint hearing with the Senate Foreign Relations Committee to examine U.S. implementation of environmental treaties and Administration policy on international environmental issues, including global climate change. Hearing was held in light of upcoming UN-sponsored World Summit on Sustainable Development in Johannesburg, South Africa.
1206	1/8/03	Climate Change--Greenhouse Gas Reductions and Trading System	US0007449-US0007556	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider draft bill, the American Investments for Reduction of Emissions Act of 2003, to require mandatory reductions in greenhouse gas emissions and to provide for trading of emissions allowances. Also reviews Administration Nov. 2002 discussion draft strategic plan for Federal research on global climate change.
1207	5/7/03	National Academy of Sciences' Review of the U.S. Climate Change Science Program Strategic Plan	US0007557-US0007598	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine findings of National Research Council Feb. 2003 report on Administration climate change science program strategic plan to mitigate effects of global climate change, and to review research priorities to address abrupt climate change.
1208	6/6/03	Soil Carbon Sequestration	US0007599-US0007651	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Manhattan, Kans., before the Subcommittee on Science, Technology, and Space to examine USDA programs to enhance soil carbon sequestration to help reduce greenhouse gas emissions and curb global climate change, focusing on promotion of agricultural carbon sequestration usage in Kansas. Concerns have increased about the rapid buildup of carbon dioxide in the atmosphere and the potential implications for climate and the environment. However, agriculture can play a key role in solving some of these issues. Crops and other plants remove carbon dioxide from the atmosphere, and as they are harvested their residues and roots are sequestered in the soil where they can remain for long periods of time, hundreds or even thousands of years.

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1209	10/1/03	The Case for Climate Change Action	US0007652-US0007791	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine status of research regarding climate change science, and to review efforts to mitigate effects of global climate change. Also briefly considers S. 139, the Climate Stewardship Act of 2003, to establish a mandatory carbon dioxide reduction program along with an emissions trading system to mitigate effects of global climate change. The National Academy of Sciences has reported that greenhouse gases are accumulating in the Earth's atmosphere as a result of human activities, causing surface air temperatures and subsurface ocean temperatures to rise. Despite uncertainties in the climate system, however, there is widespread agreement that the observed warming is real and particularly strong within the past twenty years. Human-induced warming and associated sea level rises are expected to continue through the 21st century.
1210	7/20/05	Review of the United States' Climate Policy, the \$5 Billion Budget Request for Climate-Related Science and Technology in Fiscal Year 2006	US0007792-US0007865	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Global Climate Change and Impacts to review Administration global climate change policy, and to examine Federal agencies climate change programs, including NOAA FY2006 budget request for climate-related science and technology program. President George W. Bush confirmed at the 2005 G-8 summit in Scotland that the U.S. has spent over \$20 billion in climate-related science and technology programs. President Bush has also requested an additional \$5 billion for climate change programs in FY2006 alone.
1211	7/21/05	Climate Change	US0007866-US0008100	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to examine status of scientific knowledge on global climate change, and to review Federal policy options to address global climate change.
1212	4/4/06	Climate Change	US0008101-US0008175	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Federal policy options and approaches to require power plants to reduce greenhouse gas emissions.
1213	2/7/07	Climate Change Research and Scientific Integrity	US0008176-US0008268	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to investigate alleged Bush Administration political interference in disseminating communications regarding Federal global warming research, in light of difficulties faced by Federal scientists in communicating climate research findings. The Union of Concerned Scientists issued a report on Jan. 30, 2007, documenting instances in which Federal scientists and employees were pressured to downplay significance of their climate science research or were prevented from sharing results and conclusions with the public.

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1214	2/27/07	America's Energy Future: Bold Ideas, Practical Solutions	US0008269-US0008476	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine status of domestic energy resources and security, focusing on efforts to promote energy efficiency and development of renewable energy to mitigate effects of global climate change. Hearing was held in light of concerns about increasing U.S. dependence on foreign oil.
1215	2/28/07	Energy and Tax Policy	US0008477-US0008565	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine options to reduce greenhouse gas emissions, which are thought to contribute to global warming, including energy tax policy options (Committee advisory, p. 2-3).
1216	3/20/07	Energy Innovation	US0008566-US0008635	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Science, Technology, and Innovation to examine energy efficiency technologies development to meet increased energy demands.
1217	5/15/07	U.S. Re-Engagement in the Global Effort To Fight Climate Change	US0008636-US0008722	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine U.S. role to address global climate change, including participation in international cooperative efforts to reduce greenhouse gas production.

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1218	5/23/07	Various Bills and Resolutions	US0008723-US0009024	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Contains transcript of Committee markup session on the following: H.R. 885 (text, amended text, p. 2-28), the International Nuclear Fuel for Peace and Nonproliferation Act of 2007, to authorize FY2008 appropriations for voluntary contributions to the International Atomic Energy Agency to support establishment of an international nuclear fuel bank to maintain a low-enriched uranium reserve of reactor fuel for eligible countries in case of a supply disruption. Amended bill was favorably reported. H.R. 2446 (text, p. 33-106), the Afghanistan Freedom and Security Support Act of 2007, to amend the Afghanistan Freedom Support Act of 2002 and the Foreign Assistance Act of 1961 to authorize FY2008-FY2010 appropriations for economic, humanitarian, and military assistance to Afghanistan. Bill was favorably reported. S. 676 (text, p. 111-112), to amend the Foreign Assistance Act to permit the President to appoint the U.S. Executive Director or the Alternate Executive Director of the Inter-American Development Bank to the board of directors of the Inter-American Foundation. Bill was requested to be considered under suspension of the rules. H. Con. Res. 21 (text, amended text, p. 113-123), to condemn Iranian President Mahmoud Ahmadinejad for offensive remarks and policies related to Israel and the WWII Nazi Holocaust, and to call on the UN Security Council to charge Ahmadinejad with violation of the 1948 Convention on the Prevention and Punishment of the Crime of Genocide and the UN Charter for having called for the destruction of Israel. Amended resolution was requested to be considered under suspension of the rules. H. Con. Res. 80 (text, amended text, p. 124-133), to call on the Uganda Government and the terrorist organization known as the Lord's Resistance Army to recommit to a political solution for the ongoing military conflict in northern Uganda, and to call for participation in the peace process by the U.S. and various members of the international community. Amended resolution was requested to be considered under suspension of the rules. H. Con. Res. 151 (text, amended text, p. 134-140), to urge Russian President Vladimir V. Putin to cooperate with outside investigators to solve the murders of numerous independent journalists in Russia. Amended resolution was requested to be considered under suspension of the rules. H. Con. Res. 152 (text, p. 141-144), to commemorate the 40th anniversary of the Six-Day War and the reunification of Jerusalem under Israeli sovereignty. Resolution was requested to be considered under suspension of the rules. H. Res. 137 (text, amended text, p. 145-151), to honor Jacob Birnbaum, founder of the Student Struggle for Soviet Jewry, and recognizing his continued efforts to preserve the religion, culture, and community of Soviet Jews. Amended resolution was requested to be considered under suspension of the rules. H. Res. 226 (text, amended text, p. 152-161), to honor the efforts and contributions of John Pehle, former Acting Executive Director, War Refugee Board, and recognizing his efforts to help rescue Jews and other minorities who were victims of Nazi persecution during World War II. Amended resolution was requested to be considered under suspension of the rules. H. Res. 233 (text, amended text, p. 162-168), to recognize the 200th anniversary of the independence of the Principality of Liechtenstein. Amended resolution was requested to be considered under suspension of the rules. H. Res. 295 (text, amended text, p. 169-174), to recognize U.S.-

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1219	6/21/07	Energy Efficiency Technologies and Programs	US0009025-US0009109	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Science, Technology, and Innovation to examine public and private sector efforts to promote energy efficiency through the development of clean energy technologies, and to consider relevant future policy options. Inefficient appliances and buildings are huge contributors to energy loss in the U.S. According to a recent study, energy efficient building codes could reduce energy use in American homes and commercial buildings by approximately 36 and 20 percent, respectively.
1220	6/28/07	Oversight of the Fiscal Year 2008 Budget for the National Oceanic and Atmospheric Administration	US0009110-US0009161	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard to review FY2008 budget request for NOAA programs. The NOAA FY2008 budget request of \$3.8 billion is 2 percent below 2007.
1221	8/1/07	Oversight of the U.S. Department of Commerce	US0009162-US0009213	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Department of Commerce activities and operational priorities.
1222	10/30/07	Renewable Energy and the Global Environment	US0009214-US0009280	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Asia, the Pacific, and the Global Environment to examine U.S. and international efforts to develop renewable energy technologies to meet future energy generation needs for the global environment.
1223	11/7/07	Carbon Sequestration Technologies	US0009281-US0009375	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Science, Technology, and Innovation to examine development of carbon capture and sequestration (CCS) technologies to mitigate global climate change, and to review options to promote CCS use. CCS is a process to reduce greenhouse gas emissions by capturing and injecting underground the carbon dioxide that is emitted through the combustion of fossil fuels. CCS technologies may help address global climate change concerns associated with coal use in energy generation, which is responsible for about 40 percent of the world's carbon dioxide emissions.

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1224	11/14/07	A Time for Change: Improving the Federal Climate Change Research and Information Program	US0009376-US0009489	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine status of Federal climate change research program. Also briefly considers S. 2307, the Global Change Research Improvement Act of 2007, to amend the Global Change Research Act of 1990 to reauthorize and revise global climate change research program. GAO and the National Academy of Sciences recently reported gaps and weaknesses in the global climate change research program, and a Federal district court found the Administration violated requirements of Global Change Research Act by failing to produce a national assessment addressing climate change risks.
1225	2/7/08	Energy Markets Effects on Recently Passed RFS	US0009490-US0009586	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine energy market, environmental, and consumer impacts of renewable fuel standard (RFS) provisions contained in the Energy Independence and Security Act (EISA) of 2007.
1226	2/14/08	International Aspects of a Carbon Cap and Trade Program	US0009587-US0009695	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine international experiences and potential impact on U.S. competitiveness of cap-and-trade programs to reduce greenhouse gas emissions in which policymakers set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs in order to reduce greenhouse gas emissions.
1227	2/28/08	H.R. 3223, Keep Our Waterfronts Working Act of 2007; H.R. 5451, Coastal Zone Reauthorization Act of 2008; H.R. 5452, Coastal State Renewable Energy Promotion Act of 2008; and H.R. 5453, Coastal State Climate Change Planning Act of 2008	US0009696-US0009785	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Fisheries, Wildlife, and Oceans to consider the following bills: H.R. 3223, the Keep Our Waterfronts Working Act of 2007, to amend the Coastal Zone Management Act of 1972 to establish a grant program for coastal States to purchase title or development rights to working waterfront lands to ensure coastal access for commercial and recreational fishermen and other water-dependent coastal-related businesses; H.R. 5451, the Coastal Zone Reauthorization Act of 2008, to reauthorize the Coastal Zone Management Act of 1972 to extend and revise NOAA programs for oversight and funding of State coastal zone and estuarine management programs; H.R. 5452, the Coastal State Renewable Energy Promotion Act of 2008, to amend the Coastal Zone Management Act of 1972 to establish State ocean and coastal alternative energy planning grant programs to encourage States to voluntarily complete surveys of the Outer Continental Shelf and adjacent coastal waters to identify areas suitable for exploration, development, and production of renewable energy; H.R. 5453, the Coastal State Climate Change Planning Act of 2008, to amend the Coastal Zone Management Act of 1972 to direct the Department of Commerce to establish a coastal climate change resiliency planning and response program to provide assistance to coastal States to develop coastal climate change resiliency plans.

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1228	3/26/08	Carbon Capture and Storage Technologies	US0009786-US0009855	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy to examine development of carbon capture and sequestration technologies to address global climate change concerns associated with coal use in energy generation.
1229	4/24/08	Tax Aspects of a Cap-and-Trade Program	US0009856-US0009947	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential economic impact of and tax issues related to establishment of proposed cap-and-trade program, in which policymakers set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs.
1230	5/13/08	Climate Change in Coastal Regions	US0009948-US0010009	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine the impact of climate change in coastal regions on US energy infrastructure, and to review efforts of laboratories and the petroleum industry to identify and strengthen vulnerabilities in the national energy infrastructure.
1231	5/20/08	Climate Change Legislation	US0010010-US0010110	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 2191, the Lieberman-Warner Climate Security Act of 2007, to establish a "cap-and-trade" program that sets a mandatory cap on air pollutant emissions and provides companies with economic incentives to reach that cap at the lowest possible costs in order to reduce greenhouse gas emissions.
1232	6/24/08	"Planning for a Changing Climate and Its Impacts on Wildlife and Oceans: State and Federal Efforts and Needs"; and H.R. 4455, Wildlife Without Borders Authorization Act	US0010111-US0010217	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Fisheries, Wildlife, and Oceans to review Federal, State, and local efforts to plan for and mitigate impact of global climate change on wildlife, oceans, and coastal communities. Also considers H.R. 4455, the Wildlife Without Borders Authorization Act, to codify the wildlife without borders program within the Fish and Wildlife Service to provide international wildlife conservation assistance through initiation, facilitation, and promotion of locally adapted wildlife management and conservation programs.
1233	6/25/08	Future Energy Needs	US0010218-US0010301	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review development of advanced energy technologies to meet increasing global energy demand and to address global climate change.

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1234	7/23/08	Oil Demand	US0010302-US0010395	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine options to reduce petroleum demand and increase motor vehicle fuel efficiency, including use of electric and hybrid vehicle technologies, in light of increasing oil demand and gasoline prices.
1235	9/18/08	Policy Options To Prevent Climate Change	US0010396-US0010650	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine various global climate change mitigation policies and related revenue implications, focusing on development of a proposed cap-and-trade program in which policymakers set a mandatory cap on air pollutant emissions and supply companies with a certain number of tradeable emissions permits to provide economic incentives to reduce carbon dioxide emissions (Committee advisory, p. 2-3).
1236	1/15/09	Reinvigorating the Economy Through Stimulus Legislation: Opportunities for All	US0010651-US0010773	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine potential economic stimulus role of targeted energy sector and related technology development investments to promote energy efficiency. The Administration has outlined an economic stimulus plan to revive the economy through tax incentives, job growth in renewable energy sector, infrastructure improvements, and increased State and local aid.
1237	2/10/09	Renewable Electricity	US0010774-US0010899	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine national strategy and policies to encourage energy production from renewable electricity resources to mitigate global climate change.
1238	2/25/09	Hearing on Scientific Objectives for Climate Change Legislation	US0010900-US0010980	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review proposals and Federal policy options to reduce greenhouse gas emissions and address global climate change (Committee advisory, p. 2-3).
1239	2/25/09	Get Smart on the Smart Grid: How Technology Can Revolutionize Efficiency and Renewable Solutions	US0010981-US0011152	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine development and transformation of a so-called smart grid to improve electric transmission system operations and enhance electric grid reliability and efficiency. The U.S. electric grid has over a million megawatts of generating capacity and 300,000 miles of transmission lines, but the technology is outdated. Smart grid technologies have the potential to improve efficiency and reduce carbon emissions.

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1240	3/4/09	Preparing for Copenhagen: How Developing Countries are Fighting Climate Change	US0011153-US0011322	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine developing countries efforts to mitigate global climate change, and to review U.S. climate policy, in light of UN Climate Change conference to be held in Copenhagen, Denmark in Dec. 2009. China, India, Brazil, Mexico, and South Africa are several of the largest greenhouse gas emitters of the developing world, and all have made efforts over the past several years to reduce emissions. Climate change policies need to require developing countries to participate in climate change mitigation but must not stifle their development or economic growth.
1241	3/24/09	Hearing on Trade Aspects of Climate Change Legislation	US0011323-US0011443	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Trade to examine potential implications of global climate change mitigation proposals on trade and energy sector employment (Subcommittee advisory, p. 2-3).
1242	3/25/09	Climate Change and the Arctic: New Frontiers of National Security	US0011444-US0011522	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine impact of global climate change on Arctic region of Alaska, and to review Arctic region climate change implications for foreign relations and national security interests.
1243	3/26/09	Addressing Price Volatility in Climate Change Legislation	US0011523-US0011678	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine climate change proposals and efforts to reduce or eliminate energy prices volatility, including a cap-and-trade system that sets a mandatory cap on air pollutant emissions and provides companies with economic incentives to reach that cap at the lowest possible costs in order to reduce greenhouse gas emissions (Committee advisory, p. 2-3).
1244	4/29/09	Full Committee Hearing on Climate Change Solutions for Small Businesses and Family Farmers	US0011679-US0011773	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review agricultural industry and small business global climate change strategies to meet future energy generation needs.

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1245	5/14/09	Carbon Capture and Sequestration	US0011774-US0011852	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine development of carbon capture and sequestration (CCS) technologies, also known as carbon capture and storage, to address global climate change concerns associated with coal use in energy generation. Also considers S. 1013, the Department of Energy Carbon Capture and Sequestration Program Amendments Act of 2009, to direct DOE to establish a demonstration program for the commercial application of integrated systems for long-term geological storage of carbon dioxide from industrial facilities, and to provide grants to State agencies to train employees involved in CCS management projects.
1246	6/18/09	Global Warming's Growing Concerns: Impacts on Agriculture and Forestry	US0011853-US0011972	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine impact of global climate change on agriculture and forestry, in light of Obama Administration recent report. The Obama Administration released a recent report on current and potential impacts of global warming on the U.S.
1247	7/23/09	From L'Aquila to Copenhagen: Climate Change and Vulnerable Societies	US0011973-US0012086	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Asia, the Pacific, and the Global Environment to examine global climate change impact in developing countries, and to review response measures to address climate change problem.
1248	7/28/09	New Technologies: What's Around the Corner?	US0012087-US0012213	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine development of new clean energy technologies to address global climate change. By 2030, over \$20 trillion will be invested in new energy infrastructure worldwide, and an estimated \$1.5 trillion will be invested in the U.S. power sector alone. The decisions made in the next decade will set the course of the global and U.S. energy system and of the global climate for the next century and beyond. This transition also presents an unprecedented opportunity for economic development and job creation in the clean energy technology sector.
1249	8/24/09	Climate Change Impacts on National Parks in Colorado	US0012214-US0012263	Def. Congressional Hearing	No.	No.	Hearing in Estes Park, Colo., before the Subcommittee on National Parks to examine impact of global climate change on national parks, focusing on national parks in Colorado.
1250	9/10/09	Roadmap to Copenhagen: Driving to Success	US0012264-US0012329	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine U.S. and international efforts to address global climate change, in light of upcoming UN Climate Change Conference scheduled to be held in Copenhagen, Denmark, in Dec. 2009. Certain developed and developing countries disagree on their roles and obligations in mitigating global climate change.

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1251	9/24/09	Solar Heats Up: Accelerating Widespread Deployment	US0012330- US0012443	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine role of Federal Government in promoting solar energy development. Solar energy has the potential to reduce greenhouse gas emissions and create jobs. Several countries, including China and Spain, have devoted resources to solar energy development, but concerns have been raised regarding funding required to subsidize projects and temporary nature of jobs created.
1252	10/14/09	Climate Change Legislation	US0012444- US0012532	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine projected economic and energy impacts of House-passed H.R. 2454, the American Clean Energy and Security Act of 2009, to promote renewable energy sources use and energy efficiency measures across all economic sectors, including provision to require EPA to establish two cap-and-trade programs that set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs aimed at reducing emission of greenhouse gases between 2012-2050.
1253	10/28/09	Impacts of Climate Change to National Parks	US0012533- US0012586	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on National Parks to examine impact of global climate change on national parks, and to review strategies to protect national parks from climate change adverse effects.
1254	10/28/09	Natural Gas	US0012587- US0012732	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine role of natural gas in mitigating climate change and reducing carbon dioxide emissions.
1255	11/4/09	Copenhagen and Beyond: Is There a Successor to the Kyoto Protocol?	US0012733- US0012845	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine U.S. and international efforts to address global climate change, in light of upcoming UN Climate Change Conference scheduled to be held in Copenhagen, Denmark in Dec. 2009.
1256	11/17/09	International Aspects of Climate Change	US0012846- US0012915	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine U.S. and international efforts to address global climate change.

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1257	11/18/09	Climate Change on Federal Forests	US0012916-US0013001	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Public Lands and Forests to examine global climate change impact on national forests and related Federal forest management issues.
1258	12/2/09	The Administration's View on the State of Climate Science	US0013002-US0013088	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine Administration views on global climate change impact and status of climate change science and research. In a report issued earlier this year, U.S. science agencies concluded that climate changes are underway in the U.S. and are projected to grow. Given the upcoming international climate conference in Copenhagen and the continuing work on domestic clean energy legislation in Congress, an update on the Administration's view of the status of climate science is timely.
1259	12/2/09	Policy Options for Reducing Greenhouse Gas Emissions	US0013089-US0013151	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review proposals and Federal policy options to reduce greenhouse gas (GHG) emissions and address climate change.
1260	12/10/09	Grid-Scale Energy Storage	US0013152-US0013254	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine role of electric grid-scale energy storage technologies in meeting national energy and climate change goals.
1261	3/16/10	SECURE Water Act	US0013255-US0013322	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Water and Power to examine Bureau of Reclamation implementation of the Science and Engineering to Comprehensively Understand and Responsibly Enhance Water Act, also known as the SECURE Water Act, to require Department of Interior to initiate activities to promote water resources programs. Also examines Bureau of Reclamation water conservation initiative known as the WaterSMART program. Concerns about global climate change potential impact on water supply have prompted increased attention to water use efficiency and management.

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1262	4/20/10	Carbon Capture and Sequestration Legislation	US0013323-US0013395	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider the following bills to advance development of carbon capture and sequestration (CCS) technologies: S. 1134, the Responsible Use of Coal Act of 2009, to promote responsible use of coal through accelerated CCS and through advanced clean coal technology, demonstration, and deployment programs; S. 1856, to amend the Energy Policy Act of 2005 to clarify Federal ownership of pore space in the subsurface below Federal lands; Draft bill, to accelerate commercial viability of CCS technologies and methods by supporting commercial scale demonstrations of integrated CCS technology projects. CCS, also known as carbon capture and storage, is a process for reducing greenhouse gas emissions by capturing and injecting underground the carbon dioxide that is emitted through the combustion of fossil fuels. Development of CCS technologies is necessary to address global climate change concerns associated with coal use in energy generation.
1263	4/27/11	Drought and Climate Change on Water Resources	US0013396-US0013456	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Santa Fe, N.Mex., to review drought conditions in southwestern U.S., including in New Mexico, and to examine climate change impact on water supply and strategies to mitigate climate change adverse effects. New Mexico has been experiencing one of the driest weather periods on record. Currently, 33 percent of the State is in extreme drought while 42 percent is in severe drought.
1264	5/12/11	Carbon Capture and Sequestration Legislation	US0013457-US0013504	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider the following bills: S. 699, the Department of Energy Carbon Capture and Sequestration Program Amendments Act of 2011, to direct DOE to establish a demonstration program for the commercial application of integrated systems for long-term geological storage of carbon dioxide from industrial facilities; S. 757, to authorize DOE to establish a program to provide competitive financial awards to support development of advanced technologies to capture carbon dioxide from the atmosphere and other dilute sources. Carbon capture and sequestration (CCS), also known as carbon capture and storage, is a process for reducing greenhouse gas emissions by capturing and injecting underground the carbon dioxide that is emitted through the combustion of fossil fuels. CCS technologies help address global climate change concerns associated with coal use in energy generation.
1265	5/9/13	American Energy Security and Innovation: Grid Reliability Challenges in a Shifting Energy Resource Landscape	US0013505-US0013680	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine reliability challenges and consumer impacts resulting from increased use of natural gas and renewable energy resources in domestic electricity generation. According to the Energy Information Administration, the share of natural gas in electric generation has increased from 25 percent in 2011 to 30 percent in 2012. The increased use of natural gas is likely to continue given the impending retirement of numerous coal-fired generating units, the continued need for reliable electric grid backup capabilities to support the use of new and often intermittent renewable resources, and the favorable outlook for natural gas prices.

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1266	7/18/13	Examining the Obama Administration's Social Cost of Carbon Estimates	US0013681-US0013718	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy Policy, Health Care, and Entitlements to examine Administration social cost of carbon (SCC) estimates of monetary costs and benefits of incremental changes in volume of carbon emissions. SCC includes changes in net agricultural productivity and human health, property damage from increased flood risk, energy system costs, and the value of ecosystem services lost because of climate change.
1267	7/18/13	Climate Change: It's Happening Now	US0013719-US0014461	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine global warming and climate change, including status of research initiatives, and to review policy options to address global climate change. Scientists studying climate change focus on carbon dioxide (CO2) because it is the most important long-lived global warming gas. CO2 is emitted via human activities such as fossil fuel burning and deforestation, and once emitted, can remain in the atmosphere for hundreds of years. CO2 and other greenhouse gases absorb the sun's energy and prevent heat from escaping back into space, thus warming the planet. Over the last two centuries, human activities have resulted in dramatic and well documented increases in atmospheric CO2.
1268	9/24/13	Black Carbon - A Global Health Problem with Low-Cost Solutions	US0014462-US0014541	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Clean Air and Nuclear Safety to examine impact of black carbon emissions on public health and global climate change, and to review effectiveness of the Diesel Emissions Reduction Act (DERA), which established voluntary national and State-level grant and loan programs for diesel engine emission reduction projects and programs. Black carbon emissions, also known as soot, are the dark particles emitted when fossil fuels, biomass, and biofuels are burned. Black carbon particles absorb heat from the sun causing a warming effect in the atmosphere. The particles can also cause a variety of respiratory illnesses and premature death. Over half of U.S. black carbon emissions come from old, dirty-diesel engines, and although newer, clean-diesel engines are close to reaching near zero emissions, the EPA estimates there are 11 million old diesel engines still in use that lack the latest pollution control technology.
1269	12/11/13	Oversight Hearing on Domestic Renewable Fuels	US0014542-US0015106	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Clean Air and Nuclear Safety to examine domestic renewable fuel standard (RFS), and to review renewable energy resources and technologies to improve energy efficiency and security. RFS provisions of the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007 established annual volume standards for renewable fuel that must be used in transportation fuel, requiring that 35 billion gallons of ethanol-equivalent biofuels and one billion gallons of biomass-based diesel be incorporated by 2022. Some have argued that conditions have changed since 2005 and 2007 and that RFS should be revised to reflect changes such as decreased gasoline consumption and increased domestic petroleum production.

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1270	3/6/14	Benefits of and Challenges to Energy Access in the 21st Century: Fuel Supply and Energy Infrastructure	US0015107-US0015342	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine problem of inadequate infrastructure to transport energy resources to meet U.S. energy demands, and to review factors contributing to recent regional shortages in heating fuel supply, including natural gas and propane. During the 2013-2014 winter season, high natural gas prices in New England were not caused by supply shortages but by limited pipeline capacity serving the region. It is generally agreed that current infrastructure is inadequate to accommodate increased domestic energy production and supply needs.
1271	3/5/2015	U.S. Arctic Opportunities	US0015343-US0015563	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Arctic economic, environmental, and strategic significance, in light of U.S. upcoming leadership of the International Arctic Council in 2015. Since the Arctic makes a significant contribution to the national and international economy, U.S. chairmanship of the Arctic Council should provide opportunities to draw Arctic nations closer together to address concerns. The U.S. will have the opportunity to address issues such as climate change, increasing regional cooperation, and facilitating new and reliable shipping routes. On Jan. 21, 2015, President Obama issued an executive order to improve coordination and implementation of U.S. arctic strategy.
1272	9/21/16	The Impacts of the Obama CEQ's Final Guidance for GHG Emissions and the Effects of Climate Change	US0015564-US0015600	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Council on Environmental Quality (CEQ) final guidance for Federal departments and agencies to consider greenhouse gas (GHG) emissions and effects of global climate change when conducting environmental reviews required under the National Environmental Policy Act of 1969 (NEPA). The CEQ, established within the Executive Office of the President under NEPA, publishes formal guidance documents to provide Federal agencies a common approach to assess their proposed actions, and to improve efficiency and consistency of environmental reviews of proposed Federal actions.
1273	3/10/88	Global Climate Changes: Greenhouse Effect.	US0015601-US0015750	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Human Rights and International Organizations to examine the global warming trend attributed to increased atmospheric concentrations of carbon dioxide and other heat-retaining gases produced by burning of fossil fuels (greenhouse effect), and to consider international policy responses to global warming.
1274	6/23/88	Greenhouse Effect and Global Climate Change, Part 2	US0015751-US0015966	Def. Congressional Hearing	No.	No.	Continuation of hearings to examine the global warming trend attributed to increased atmospheric concentrations of carbon dioxide and other heat-retaining gases produced by burning of fossil fuels (greenhouse effect), and to consider energy and environmental policy implications of global warming.

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1275	6/29/88	Technologies for Remediating Global Warming	US0015967-US0016214	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Natural Resources, Agriculture Research, and Environment and the Subcommittee on Science, Research, and Technology to consider measures and technologies to remediate the global warming trend attributed to increased atmospheric concentrations of carbon dioxide and other heat-retaining gases produced by burning fossil fuels (greenhouse effect).
1276	7/7/88	Energy Policy Implications of Global Warming	US0016215-US0016482	Def. Congressional Hearing	No.	No.	Hearings before the Subcommittee on Energy and Power to examine energy policy implications of the global warming trend and other climatic changes resulting from atmospheric concentrations of heat-retaining gases (greenhouse effect).
1277	8/11/88	National Energy Policy Act of 1988 and Global Warming	US0016483-US0017028	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to consider S. 2667, the National Energy Policy Act of 1988, to establish an energy policy to address the issue of global warming and develop strategies to respond to environmental problems caused by increased atmospheric concentrations of carbon dioxide and other heat-retaining gases produced in burning fossil fuels (the greenhouse effect).
1278	9/14/88	Global Environmental Protection Act of 1988	US0017029-US0017447	Def. Congressional Hearing	No.	No.	Hearings before the Subcommittee on Hazardous Wastes and Toxic Substances and the Subcommittee on Environmental Protection to examine global environmental problems, including acid rain and temperature increases (greenhouse effect) resulting from emissions into the atmosphere of chlorofluorocarbons (CFCs), carbon dioxide, and other ozone-depleting chemicals. Also reviews proposals to reduce emissions levels, including S. 2666 (text, p. 158-242), the Global Environmental Protection Act of 1988, to amend the Clean Air Act and the National Environmental Policy Act of 1969 to strengthen U.S. environmental protection activities and control emission of air pollutants. Bill includes the following titles: the Act to Eliminate Chlorofluorocarbons and Related Chemicals, the Act to Reduce and Stabilize Atmospheric Concentrations of Carbon Dioxide, the Act to Minimize Ground Level Ozone, the Methane Emissions Elimination Act, the Environmental Adjustment Act of 1988.
1279	12/1/88	Potential Impact of Global Warming on Agriculture	US0017448-US0017559	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine the potential effects on U.S. agriculture and forestry of global warming and environmental change caused by increased atmospheric concentrations of carbon dioxide and other heat-retaining gases produced in burning fossil fuels (greenhouse effect). Considers EPA draft report findings on potential effects of global climate change.

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1280	2/21/89	Global Warming	US0017560- US0017739	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Energy and Power to assess the scientific possibility of a global warming trend resulting from atmospheric concentration of heat-retaining gases (greenhouse effect), and to consider options for responding to a potential greenhouse effect.
1281	3/15/89	Advanced Reactor Technologies	US0017740- US0017880	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine design and safety issues relating to advances in nuclear reactor technologies.
1282	3/17/89	Policy Options for Stabilizing Global Climate	US0017881- US0017952	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Environmental Protection to examine energy and environmental policy implications of the global warming trend attributed to increased atmospheric concentrations of carbon dioxide and other heat retaining gases (greenhouse effect), and of stratospheric ozone depletion caused by the emission of chlorofluorocarbons (CFCs).
1283	4/6/89	Update on Recent International Environmental Meetings	US0017953- US0018009	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Human Rights and International Organizations to examine U.S. policies on international environmental issues.
1284	4/20/89	International Environmental Agenda for the 101stCongress	US0018010- US0018288	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine international environmental issues and priorities, focusing on development of a Congressional agenda for response to global warming and other environmental concerns.
1285	5/2/89	Global Warming and CAFE Standards	US0018289- US0018634	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on the Consumer to examine fuel efficiency trends in the automobile industry and to consider the need for revision of the corporate average fuel economy (CAFE) standards for automobiles established under the Energy Policy and Conservation Act of 1975. Also considers the relationship between fuel efficiency measures and the global warming trend.

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1286	5/8/89	Climate Surprises	US0018635-US0018789	Def. Congressional Hearing	No.	No.	Hearing before the Subcommittee on Science, Technology, and Space to examine research regarding the future climatic impact of the global warming trend attributed to increased atmospheric concentration of carbon-dioxide and other heat-retaining gases (greenhouse effect).
1287	5/10/89	Joint Hearing on the Potential Impact of Global Warming on the Third World, FY90, Special Hearing	US0018790-US0018903	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Joint hearing with the Senate Appropriations Committee Subcommittee on Foreign Operations, Export Financing, and Related Programs Appropriations to examine the implications of global climatic change, including the greenhouse effect, for developing countries, and to review proposals for related U.S. foreign assistance policies and programs.
1288	9/29/89	Advanced Reactors R&D and New Generation Nuclear Electric Powerplants	US0018904-US0019155	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Idaho Falls, Idaho, before the Subcommittee on Energy Research and Development to examine the status of and outlook for the DOE civilian nuclear reactor program.
1289	10/26/89	National Weather Service	US0019156-US0019260	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the National Ocean Policy Study to review plans to modernize National Weather Service (NWS) weather forecasting, tracking, and information programs.
1290	11/6/89	Global Climate Change Prevention Act of 1989: S. 1610	US0019261-US0019359	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 1610 (text, p. 52-96), the Global Climate Change Prevention Act of 1989, to amend the Forest and Rangeland Renewable Resources Research Act of 1978, the Cooperative Forestry Assistance Act of 1978, and the Forest and Rangeland Renewable Resources Planning Act of 1974 to establish USDA programs to research the effects of global warming on forests and agricultural productivity, and to provide for USDA global warming amelioration programs, including aid to domestic tree planting projects and international initiatives to preserve tropical forests. Title I Subtitle B is cited as the Domestic Research on Global Warming, Forests, and Agriculture Act of 1989. Title II Subtitle A is cited as the International Forestry Cooperation Act of 1989.
1291	11/14/89	Global Warming	US0019360-US0019415	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the National Ocean Policy Study to examine Administration policies on domestic and international cooperative efforts to reduce emissions of carbon dioxide and other greenhouse gases associated with global climate change, focusing on Administration activities at the Nov. 1989 Ministerial Conference on Atmospheric Pollution and Climate Change in Noordwijk, Netherlands.

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1292	4/25/90	Global Change: What You Can Do	US0019416-US0019503	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review needed changes in societal practices to mitigate threats to the global environment, and to examine activities which can be undertaken by individuals to reduce damage to the environment through resource conservation efforts.
1293	6/14/90	Global Climate Change: Seeking a Global Consensus	US0019504-US0019562	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine U.S. and international response to global environmental problems, focusing on temperature increases resulting from emissions into the atmosphere of chlorofluorocarbons (CFCs), carbon dioxide, and other gases (greenhouse effect). Reviews findings of the Intergovernmental Panel on Climate Change (IPCC) recent meetings on global warming causes and policy options.
1294	9/13/90	Global Environment: A National Energy Strategy	US0019563-US0019822	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to consider H.R. 5521 (text, p. 5-81), the National Energy Policy Act of 1990, to amend the Department of Energy Organization Act and four other acts to establish an energy policy to address the problem of global warming and climate changes (greenhouse effect), focusing on strategies to lessen the generation of carbon dioxide and other heat-retaining gases produced by burning fossil fuels. Includes provisions to require DOE development of a least-cost strategy for meeting U.S. energy needs, and to establish various energy efficiency and initiatives. Title III Subtitle C is cited as the Spark M. Matsunaga Hydrogen Research and Development Act of 1990, and Subtitle H is cited as the Electric Vehicle Technology Development and Demonstration Act of 1990.
1295	10/11/90	Coral Bleaching	US0019823-US0019895	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the National Ocean Policy Study to examine problems in the Caribbean Sea area with potentially lethal bleaching of corals resulting from loss of the zooxanthellae algae which provide color to the coral. Also reviews research on relationship of temperature increases in the Caribbean Sea with coral bleaching incidents, and assesses the potential implications for corals of global warming.
1296	3/13/91	Global Warming and Other Environmental Consequences of Energy Strategies	US0019896-US0020231	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Environmental Protection to examine global warming/climate change (greenhouse effect) consequences of energy policies that depend on fuels which emit carbon dioxide (CO2) and other gases thought to contribute to the greenhouse effect. Also reviews international activities regarding global warming, including programs of the UN-sponsored Intergovernmental Panel on Climate Change (IPCC), and assesses Administration-proposed National Energy Strategy in light of greenhouse effect concerns.

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1297	2/27/92	Global Change Research: Indicators of Global Warming and Solar Variability	US0020232-US0020308	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review research findings on past and present climate changes, focusing on a trend toward global warming.
1298	3/3/92	Global Warming	US0020309-US0020503	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine ongoing UN negotiations on a framework convention on climate change response measures (draft text, p. 27-71), focusing on implications of negotiations for U.S. energy conservation policy, environmental policy, and international competitiveness.
1299	3/19/92	Strategies for Control of Greenhouse Emissions	US0020504-US0020700	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Health and the Environment to examine strategies for reducing carbon dioxide and other greenhouse gas emissions in response to concerns about global warming.
1300	4/9/92	Global Change Research: Global Warming and the Biosphere	US0020701-US0020774	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine the effects on trees and plantlife of increased atmospheric carbon dioxide, a greenhouse gas.
1301	5/6/92	Global Climate Change	US0020775-US0021205	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to review the nature and policy implications of climate change and global warming. Examines various potential environmental and energy policy responses, including initiatives in energy conservation and fuel efficiency areas.
1302	5/20/92	Global Change Research, Global Warming, and the Oceans	US0021206-US0021275	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider the role of ocean processes in global climate changes, focusing on the greenhouse effect.

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1303	5/26/92	Global Climate Change and the Pacific Islands	US0021276-US0021673	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Honolulu, Hawaii, to examine research findings and the status of scientific knowledge on global warming and sea level rise attributed to greenhouse gas emissions. Also examines the implications of sea level rise for Pacific Ocean islands.
1304	9/18/92	U.N. Framework Convention on Climate Change (Treaty Doc. 102-38)	US0021674-US0021810	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider Senate advice and consent to ratification of the UN Framework Convention on Climate Change signed June 12, 1992, at Rio de Janeiro, Brazil, during the UN Conference on Environment and Development (UNCED). Convention provides for the stabilization of atmospheric concentrations of greenhouse gases to prevent adverse global climate changes.
1305	3/1/93	Global Climate Change: Adequacy of the National Action Plan	US0021811-US0021934	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Economic Policy, Trade, and Environment to examine the national action plan (NAP) to implement the 1992 UN Framework Convention on Climate Change, setting goals for reduced emissions of greenhouse gases in order to prevent adverse global climate changes. The NAP was prepared by the Bush Administration and submitted to the international community in Dec. 1992.
1306	4/14/94	Implementation of the Climate Change Action Plan	US0021935-US0022070	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Clean Air and Nuclear Regulation to examine implementation of Administration national Climate Change Action Plan designed to reduce greenhouse gas emissions to 1990 levels by the year 2000.
1307	5/24/94	Science Concerning Global Climate Change	US0022071-US0022222	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review the status of scientific knowledge about global climate change and the greenhouse effect, and examine related research and policy issues.
1308	2/16/95	Nominations of Shirley M. Jackson and Dan M. Berkovitz	US0022223-US0023121	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider the nominations of Shirley A. Jackson (Prof, Rutgers Univ) and Dan M. Berkovitz (Counsel, Senate Environment and Public Works Committee) to be Commissioners, NRC.

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1309	9/17/96	Global Climate Change	US0023122-US0023277	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine U.S. global climate change policies, including U.S. position in negotiations at recent conference of parties to the 1992 UN Framework Convention on Climate Change, held in Geneva, Switzerland. Examines scientific basis for and anticipated economic costs of U.S. recommendation that industrialized countries that are party to the Convention agree to adhere to legally binding greenhouse gas emission standards.
1310	7/10/97	Global Climate Change	US0023278-US0023557	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to examine the scientific basis for and possible costs of measures to reduce emissions of carbon dioxide and other gases believed to cause global warming, in light of forthcoming negotiations on a climate change mitigation agreement at an international conference on the 1992 UN Framework Convention on Climate Change, to be held in Kyoto, Japan, in Dec. 1997.
1311	3/5/98	Examining the Kyoto Treaty on Climate Change and Its Effect on the Agricultural Economy	US0023558-US0023723	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine the climate change mitigation protocol negotiated at the Dec. 1997 international conference held in Kyoto, Japan on the 1992 UN Framework Convention on Climate Change to reduce emissions of greenhouse gases believed to contribute to global climate change, focusing on agricultural impact of the Kyoto Protocol.
1312	4/16/98	Expected Impact on Small Businesses and Farmers of the Kyoto Treaty on Global Climate Change	US0023724-US0023800	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Malden, Mo., to examine the impact on small business of the climate change mitigation protocol negotiated at the Dec. 1997 international conference held in Kyoto, Japan on the 1992 UN Framework Convention on Climate Change to reduce emissions of carbon dioxide and other gases believed to contribute to global climate change.
1313	6/4/98	Oversight Hearing on the Kyoto Protocol: The Undermining of American Prosperity	US0023801-US0024031	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine impact on small business of the climate change mitigation protocol negotiated at the Dec. 1997 international conference held in Kyoto, Japan, to reduce emissions of greenhouse gases believed to contribute to global climate change.
1314	7/29/98	Kyoto Protocol: The Undermining of American Prosperity--The Science	US0024032-US0024147	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine environmental research issues related to global climate change in light of the climate change mitigation protocol negotiated at the Dec. 1997 international conference held in Kyoto, Japan, to reduce emissions of greenhouse gases believed to contribute to global climate change.

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1315	3/25/99	Economic Impacts of the Kyoto Protocol	US0024148-US0024242	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine anticipated effects on the U.S. economy of the climate change mitigation protocol negotiated at the Dec. 1997 international conference held in Kyoto, Japan, to reduce emissions of greenhouse gases believed to contribute to global climate change.
1316	4/29/99	Effect of the Kyoto Protocol on American Small Business	US0024243-US0024434	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine anticipated economic effects and other aspects of the climate change mitigation protocol negotiated at the Dec. 1997 international conference held in Kyoto, Japan, to reduce emissions of greenhouse gases believed to contribute to global climate change.
1317	5/20/99	Global Climate Change	US0024435-US0024615	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Joint hearing before the Subcommittee on Energy Research, Development, Production, and Regulation and the House Government Reform Committee Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs to examine Administration policies, including DOE and EPA programs, for implementation of global climate change initiatives related to protocol negotiated at the Dec. 1997 international conference held in Kyoto, Japan to reduce emissions of carbon dioxide and other greenhouse gases believed to contribute to global climate change. Also examines concerns that Administration has violated statutory prohibitions against implementation of the Kyoto Protocol prior to Senate ratification.
1318	6/24/99	BP Amoco-ARCO Merger	US0024616-US0024726	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine proposed merger between British Petroleum Co.-Amoco Corp. (BP-Amoco) and Atlantic Richfield Co. (ARCO), and to assess implications of merger for competition in the petroleum industry.
1319	7/28/99	Agency for International Development and U. S. Climate Change Policy	US0024727-US0024762	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider the climate change programs of the Agency for International Development.

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1320	9/30/99	Forest Resources for the Environment and the Economy Act	US0024763-US0024808	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Forests and Public Land Management to consider S. 1457, the Forest Resources for the Environment and the Economy Act, to amend the Energy Policy Act of 1992 to establish measures to mitigate global climate change through carbon sequestration on public and private forest lands. Includes a provision to direct the Forest Service to make grants to States for administration of revolving loans, which could be used by nonindustrial private landowners for activities that promote carbon sequestration, including reforestation.
1321	3/30/00	Energy and Climate Policy Act and the Climate Change Energy Policy Response Act	US0024809-US0025010	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 882, the Energy and Climate Policy Act of 1999, and related S. 1776, the Climate Change Energy Policy Response Act, both to amend the Energy Policy Act of 1992 to: Strengthen DOE responsibility for Federal climate change, revise reporting procedures regarding public and private voluntary greenhouse gas emission reduction efforts, require public dissemination of such global emissions information, establish a climate technology demonstration program to promote development of greenhouse gas emission reduction, capture, and sequestration technology.
1322	3/21/01	Clean Air Act Oversight Issues	US0025011-US0025574	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Clean Air, Wetlands, Private Property, and Nuclear Safety to review issues related to implementation of Clean Air Act (CAA) provisions to reduce air pollution, including economic impact on the electric utility industry, global climate warming trends, and automotive air pollution. Hearing on Apr. 27 was held in Salem.
1323	3/29/01	Biomass and Environmental Trading: Opportunities for Agriculture and Forestry	US0025575-US0025725	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine economic benefits for agriculture and forestry resulting from biomass energy research and from environmental trading programs, including carbon sequestration projects. Environmental trading involves payments by firms to farmers and foresters to adopt improved agricultural and forestry practices that sequester carbon, improve water quality, or enhance nutrient or nitrogen management.
1324	6/28/01	Climate Change and Balanced Energy Policy Act	US0025726-US0025795	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine status of scientific research findings on global climate change, and to assess the potential role of energy-related technology policies in reducing emissions believed to contribute to global warming.
1325	7/19/01	National Energy Issues	US0025796-US0026143	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to consider legislative proposals to extend and revise various DOE and other Federal agency energy programs and policies, including proposals to restructure the electric power industry. Also reviews the need to develop a comprehensive national energy policy.

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1326	7/26/01	Clean Power Act	US0026144-US0026910	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to consider S. 556, the Clean Power Act of 2002, to amend the Clean Air Act (CAA) of 1970 to reduce electric power plant air emissions. Includes provisions to: Require EPA to promulgate regulations to limit, by 2008, aggregate annual emissions of carbon dioxide, sulfur dioxide, nitrogen oxides, and mercury from certain electric power plants. Require EPA to establish a carbon dioxide, sulfur dioxide, and nitrogen oxides emissions permit and allowance transfer/allocation program. Hearing on Jan. 29 was held before the Subcommittee on Clean Air, Wetlands, and Climate Change.
1327	12/6/01	Corporate Average Fuel Economy (CAFE) Reform	US0026911-US0027085	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine proposals to reform corporate average fuel economy (CAFE) program, including proposals to increase CAFE standards. The CAFE program requires automobiles and light trucks to meet specified fuel economy standards for each model year.
1328	3/13/02	Clean Air Act: Risks from Greenhouse Gas Emissions	US0027086-US0027298	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review the nature and implications of climate change and to examine policy options to address global climate change, including reducing emissions of greenhouse gases believed to contribute to global climate change.
1329	7/11/02	Global Climate Change and the U.S. Climate Action Report	US0027299-US0027439	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Administration global climate change policy and programs, in light of 2002 U.S. Climate Action Report findings concerning global climate change.
1330	7/8/03	Climate Change Issues: Agricultural Sequestration of Carbon Dioxide	US0027440-US0027505	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Clean Air, Climate Change, and Nuclear Safety to examine USDA programs to enhance soil carbon sequestration to help reduce greenhouse gas (GHG) emissions and curb global climate change.
1331	7/29/03	Climate History and the Science Underlying Fate, Transport, and Health Effects of Mercury Emissions	US0027506-US0027833	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine current research on historical patterns of global climate change. Also examines the environmental and public health effects of mercury pollution.

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1332	5/6/04	The Impacts of Climate Change and States' Actions	US0027834-US0027914	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine research concerning global climate change impacts, including actions taken by States to address climate change. Reports on the impact of climate change continue to provide evidence that the world is undergoing a shift in temperature, for the most part, due to human activity.
1333	2/10/05	Energy Policy Act of 2005	US0027915-US0028515	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Energy and Air Quality to consider provisions of the conference report on 108th Congress H.R. 6, and a similar draft bill, the Energy Policy Act of 2005, both to revise energy policies and programs to promote increased energy conservation and increase the availability and security of energy supplies.
1334	9/28/05	Role of Science in Environmental Policy Making	US0028516-US0028681	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine issues related to role of science in Federal environmental policy making, including concerns about political influence on scientific research.
1335	10/5/05	Kyoto Protocol: Assessing the Status of Efforts To Reduce Greenhouse Gases	US0028682-US0028927	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review U.S. role to address global climate change in relation to the Kyoto Protocol, focusing on participation in international cooperative efforts to reduce greenhouse gas production.
1336	11/14/05	U.S.-International Climate Change Approach: A Clean Technology Solution	US0028928-US0029006	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to discuss the Energy Policy Act of 2005 and its climate change provisions, which included the promotion and adoption of technologies that reduce greenhouse gas intensity in the U.S. and developing countries.
1337	2/16/06	National Oceanic and Atmospheric Administration (NOAA) Fiscal Year 2007 Budget Request	US0029007-US0029073	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review FY2007 budget request for NOAA programs.

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1338	4/5/06	The Current and Future Role of Science in the Asia-Pacific Partnership	US0029074-US0029132	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Global Climate Change and Impacts to examine Asia-Pacific Partnership on Clean Development and Climate, a Presidential initiative in partnership with leaders of certain Asian countries and Australia to establish a global public-private collaboration for addressing challenges of assuring economic growth and development, poverty eradication, energy security, pollution reduction, and climate change mitigation.
1339	4/26/06	Projected and Past Effects of Climate Change: A Focus on Marine and Terrestrial Systems	US0029133-US0029246	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Global Climate Change and Impacts to examine historical and projected future impacts of climate change on marine and terrestrial ecosystems. Many scientists say that current temperatures are not outside of historical ranges. However, if temperatures continue to increase, we would enter uncharted territory. Carbon dioxide concentrations in both our atmosphere and oceans are at levels never seen before.
1340	6/22/06	Enhanced Energy Security Act of 2006	US0029247-US0029326	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 2747, the Enhanced Energy Security Act of 2006, to amend the Energy Policy Act (EPA) to revise energy policies and programs to promote increased energy efficiency and conservation. S. 2747 responds to ongoing energy security concerns, including U.S. dependence on foreign oil. Includes provisions to: Establish a national oil savings target and action plan to reduce average daily oil consumption by 2031; Provide assistance to States to implement a vehicle retirement program for fuel-inefficient vehicles; Provide loan guarantees for fuel-efficient automobile manufacturers and suppliers; Establish a national renewable energy portfolio standard to require electric utilities to obtain a certain percentage of electricity from renewable resources.
1341	7/19/06	Questions Surrounding the 'Hockey Stick' Temperature Studies: Implications for Climate Change Assessments	US0029327-US0030202	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Oversight and Investigations to examine controversy surrounding current and past research on historical patterns of global climate change, and to review findings of so-called "hockey stick" climate reconstruction studies, including reports published by Michael E. Mann, Raymond S. Bradley, and Malcolm K. Hughes (MBH). The MBH reports, published in 1998 and 1999, showed temperature history in a "hockey stick" shaped graph, which visually demonstrated that recent average temperatures of the northern hemisphere were likely the warmest in 1,000 years.
1342	9/20/06	Examining Approaches Embodied in the Asia Pacific Partnership	US0030203-US0030412	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Asia-Pacific Partnership on Clean Development and Climate, a Presidential initiative in partnership with leaders of certain Asian countries and Australia to establish a global public-private collaboration for addressing challenges of assuring economic growth and development, poverty eradication, energy security, pollution reduction, and climate change mitigation.

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1343	9/26/06	International Polar Year	US0030413-US0030502	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Joint hearing before the Senate Commerce, Science, and Transportation Committee and the Senate Foreign Relations Committee to examine U.S. role in and research goals related to global warming of the polar regions for the upcoming International Polar Year (IPY), an international cooperative program in scientific research to be held Mar. 2007-Mar. 2009.
1344	12/6/06	Examining Climate Change and the Media	US0030503-US0030614	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine concerns about mass media portrayal of global climate change.
1345	1/24/07	EIA Analysis of Draft Climate Change Legislation	US0030615-US0030678	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review Energy Information Administration Jan. 2007 report analyzing projected energy and economic impacts of draft legislative proposal to reduce greenhouse gas emissions through establishment of a "cap-and-trade" program, in which policymakers set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs.
1346	1/30/07	Allegations of Political Interference with the Work of Government Climate Change Scientists	US0030679-US0030841	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to investigate alleged Bush Administration political interference in disseminating communications regarding Federal global warming research, focusing on difficulties faced by Federal scientists in communicating climate research findings.
1347	1/30/07	Senators' Perspectives on Global Warming	US0030842-US0031987	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Senator perspectives on and proposals relating to global climate change, focusing on Federal policy options and approaches to reduce greenhouse gas emissions. Also briefly considers the following bills: S. 309, the Global Warming Pollution Reduction Act of 2007, to establish emissions standards for industrial plants and automobiles to reduce global warming; S. 280, the Climate Stewardship and Innovation Act of 2007, to establish a "cap-and-trade" program to require a mandatory cap on industrial plant air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs.
1348	2/7/07	Global Warming and Wildlife	US0031988-US0032309	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Private Sector and Consumer Solutions to Global Warming and Wildlife Protection to examine scientific evidence of real and potential impact of global climate change on wildlife and ecosystems.

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1349	2/13/07	Addressing Climate Change: Views from Private Sector Panels	US0032310-US0032401	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to review private sector perspectives on and proposals relating to global climate change mitigation, focusing on Federal policy options to reduce greenhouse gas emissions.
1350	2/13/07	Economics of Climate Change	US0032402-US0032485	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine findings of 2006 Stern Review report written by Sir Nicholas Stern, Head of the Great Britain Government Economic Service, examining economic impacts of global climate change and proposing worldwide strategy to address climate change problem.
1351	2/13/07	U.S. Climate Action Partnership Report	US0032486-US0032613	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review recommendations of U.S. Climate Action Partnership (U.S. CAP) recent report on global climate change mitigation.
1352	3/1/07	State, Regional and Local Perspectives on Global Warming	US0032614-US0032764	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine State and local government initiatives and efforts to address global climate change and reduce greenhouse gas emissions.
1353	3/6/07	Carbon Capture and Sequestration: An Overview	US0032765-US0032949	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine development of carbon capture and sequestration (CCS) technologies to address global climate change concerns associated with coal use in energy generation.
1354	3/7/07	Climate Change: Are Greenhouse Gas Emissions from Human Activities Contributing to the Warming of the Planet?	US0032950-US0033086	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine scientific evidence regarding global temperature changes and relationship of climate change to human greenhouse gas emissions. Hearing was held in light of Intergovernmental Panel on Climate Change recent report examining scientific evidence for global warming and assessing human activity contribution to climate change.

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1355	5/9/07	Emerging Technologies and Practices for Reducing Greenhouse Gas Emissions	US0033087-US0033169	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Private Sector and Consumer Solutions to Global Warming and Wildlife Protection to examine Federal role to help commercialize emerging technologies and practices to curb global warming. A recent report by the Intergovernmental Panel on Climate Change, reflecting the consensus of delegates from 120 countries, finds that existing technologies can reduce greenhouse gas emissions over the next two decades, but without new Government action, market forces alone will not lead to significant emissions reductions.
1356	3/14/07	Climate Change and Energy Security: Perspectives from the Automobile Industry	US0033170-US0033313	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine automobile industry efforts to develop fuel-saving technologies and vehicles, and to review Federal policy options to encourage fuel-saving technologies development and use, in light of concerns about energy security and global climate change.
1357	3/15/07	Climate Change: State and Local Perspectives	US0033314-US0033434	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to review State and local government initiatives and efforts to address global climate change and reduce greenhouse gas emissions.
1358	3/19/07	Allegations of Political Interference with Government Climate Change Science	US0033435-US0033897	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to investigate alleged Bush Administration political interference in disseminating communications regarding Federal global warming research, in light of difficulties faced by Federal scientists in communicating climate research findings.
1359	3/20/07	Toward a Clean Energy Future: Energy Policy and Climate Change on Public Lands	US0033898-US0033979	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Mineral Resources to examine impact on Federal lands and resources of global climate change.
1360	3/20/07	Climate Change: Perspectives of Utility CEOs	US0033980-US0034148	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to review electric utility companies perspectives on global climate change mitigation, and to examine proposals to reduce greenhouse gas emissions.

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1361	3/21/07	Perspectives on Climate Change	US0034149-US0034303	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Joint hearing before the House Energy and Commerce Committee Subcommittee on Energy and Air Quality and the House Science and Technology Committee Subcommittee on Energy and Environment to examine scope and impact of global climate change.
1362	3/21/07	Vice President Al Gore's Perspective on Global Warming	US0034304-US0034377	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine scope and impact of global climate change. There are disagreements over findings regarding responsibility of human activity for global warming and the extent of global climate change effects on the environment.
1363	5/22/07	Economic Impacts of Global Warming: Green Collar Jobs	US0034378-US0034443	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine implications of global climate change for creation of new "green collar jobs" through development of clean energy technologies. Clean energy initiatives may significantly impact employment. Recent estimates indicate that as many as 500,000 "green collar jobs" could be created by 2010.
1364	3/22/07	Future of Coal	US0034444-US0034500	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review findings and recommendations of MIT recent report on outlook for and policies regarding coal-based generation of electricity and technologies to address global climate change concerns associated with coal use in electricity generation, focusing on carbon capture and sequestration.
1365	3/26/07	EU Emissions	US0034501-US0034544	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine the European Union (EU) emissions trading system (ETS), a cap-and-trade system established to enable the EU to achieve its obligation under the Kyoto Protocol for global reduction of greenhouse gas emissions. Hearing was held as a roundtable discussion.
1366	3/27/07	Climate Change: International Issues, Engaging Developing Countries	US0034545-US0034690	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine development and implementation of international cap-and-trade programs to reduce greenhouse gas emissions in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs.

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1367	3/28/07	Reducing Government Building Operational Costs Through Innovation and Efficiency: Legislative Solutions	US0034691-US0034746	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Federal Government efforts to improve energy efficiency and reduce energy costs. Energy-efficient buildings can be part of a comprehensive fight against global warming. Efficient design, low-emission construction materials, and decreased energy use in buildings can combat global warming and simultaneously reduce the rising costs of lighting, heating and cooling structures.
1368	3/29/07	Climate Change: Lessons Learned fom Existing Cap-and-Trade Programs	US0034747-US0034874	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine development and implementation of cap-and-trade programs to reduce greenhouse gas emissions in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs.
1369	4/17/07	Wildlife and Oceans in a Changing Climate	US0034875-US0035050	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Fisheries, Wildlife, and Oceans to examine status of scientific knowledge regarding impact of global climate change on wildlife and oceans, and to review Federal policy options to address global climate change.
1370	4/18/07	Geopolitical Implications of Rising Oil Dependence and Global Warming	US0035051-US0035266	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine U.S. national security implications of global climate change and U.S. dependence on foreign oil. Last year, oil imports reached 60 percent, averaging 12.5 million barrels per day. Political instability in countries with the world's largest oil reserves impact oil prices and U.S. energy, economic, and national security, leading many to believe that global climate change can potentially create global economic instability and national security concerns for the U.S.
1371	4/19/07	Dangerous Exposure: The Impact of Global Warming on Private and Federal Insurance	US0035267-US0035440	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine findings of GAO Mar. 2007 report on potential impact of global climate change on private insurers and Federal crop and flood insurance programs that cover weather-related losses, and to review actions taken by Federal insurers to prepare for possible increase in weather-related losses.
1372	4/24/07	The Implications of the Supreme Court's Decision Regarding EPA's Authorities with Respect to Greenhouse Gases Under the Clean Air Act	US0035441-US0035530	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine implications of Supreme Court decision in Massachusetts v. EPA, which established that EPA has the authority to regulate carbon dioxide and other greenhouse gas (GHG) emissions under the terms of the Clean Air Act (CAA). Focuses on impacts of Supreme Court decision to motor vehicle emission standards. The CAA authorizes EPA to regulate any air pollutant that can be reasonably seen to endanger public health. EPA argued that this authority did not extend to carbon dioxide or other GHG emissions on the grounds that their connection to climate change, and the associated health risks, could not be fully substantiated.

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1373	4/26/07	Dangerous Climate Change	US0035531-US0035740	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine scope and impact of global climate change. In 1992, the U.S. and 188 countries signed the UN Framework Convention on Climate Change, committing to stabilize atmospheric greenhouse gas concentrations to prevent dangerous climate change. Carbon dioxide levels have risen from 280 parts per million to 380 parts per million since the industrial revolution, which is believed to be a contributing factor to global climate change.
1374	4/26/07	Clean Coal Technology	US0035741-US0035806	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Science, Technology, and Innovation to review progress in the development of clean coal technology to address climate change and to reduce environmental impacts of coal use in electric power generation. It has been estimated that coal power generation is responsible for nearly 40 percent of the world's man-made emissions of carbon dioxide that contribute to global warming. It also contributes substantially to nitrogen oxides, which add to smog, haze, and crop and ecological damage, and it produces most of the man-made mercury air pollution emitted in the U.S. Despite these problems, coal-fired power generation is likely to be relied on for decades to come and is projected to expand dramatically.
1375	5/1/07	Future of Fossil Fuels: Geological and Terrestrial Sequestration of Carbon Dioxide	US0035807-US0035894	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Geological and terrestrial carbon sequestration, methods and technological potential Hearing before the Subcommittee on Energy and Mineral Resources and the Subcommittee on National Parks, Forests, and Public Lands to examine methods and technological potential of geological and terrestrial carbon sequestration to help reduce greenhouse gas emissions and curb global climate change.
1376	5/3/07	Economic Impacts of Global Warming: Part I--Insurance	US0035895-US0036082	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine potential financial impact of global climate change on Federal crop and flood insurance programs and private insurers. Extreme weather has caused 88 percent of the \$320 billion in total insured property losses over the past 25 years. The exposure of Federal flood insurance has quadrupled to more than \$1 trillion, and Federal crop insurance coverage has expanded nearly 26-fold since 1980.
1377	5/3/07	Pending Corporate Average Fuel Economy (CAFE) Legislation	US0036083-US0036169	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine effectiveness of the corporate average fuel economy (CAFE) program, which requires automobiles and light trucks to meet specified fuel economy standards for each model year, and to review legislative proposals to revise CAFE standards. Also considers S. 357, the Ten-in-Ten Fuel Economy Act, to direct NHTSA to establish increased CAFE standards for automobiles and trucks. The CAFE program intends to increase fuel efficiency in order to mitigate greenhouse gas emissions believed to contribute to global warming and improve national security by reducing U.S. dependence on foreign oil.

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1378	5/9/07	Economics of Dependence on Foreign Oil--Rising Gasoline Prices	US0036170-US0036303	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine concerns about and factors contributing to increases in oil and gasoline prices, and to review implications for small businesses and others of gasoline and oil price increases.
1379	5/9/07	Climate Change: National Security Threats	US0036304-US0036352	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to discuss the implications of climate change and global warming on national security and defense efforts.
1380	5/10/07	Effects of Climate Change and Ocean Acidification on Living Marine Organisms	US0036353-US0036457	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard to examine the effects of global climate change and increased ocean acidity on living marine resources. Over the past 200 years the release of carbon dioxide from industrial and agricultural activities has resulted in atmospheric CO2 concentration increases of about 100 parts per million. During this period the oceans have absorbed 525 billion tons of carbon dioxide from the atmosphere. This is about one-third of human-generated carbon dioxide emissions. The oceans' daily uptake of 22 million tons of carbon dioxide is now starting to have a significant impact on the chemistry and biology of the oceans.
1381	5/11/07	Administration Proposals on Climate Change and Energy Independence	US0036458-US0036988	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to examine potential impacts of global climate change, and to review Federal, State, and private sector efforts to promote energy efficiency and reduce greenhouse gas emissions in relation to surface transportation, Federal buildings, aviation, and water resources (Committee memos and witness lists, p. viii-xxxv).
1382	5/15/07	Green Buildings: Benefits to Health, the Environment, and the Bottom Line	US0036989-US0037220	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine benefits of green building programs and initiatives to reduce energy consumption and promote energy efficiency and conservation, including leadership in energy and environmental design (LEED) third-party certification system for green buildings. Buildings with efficient design, low-emission construction materials, and decreased energy use can combat global warming and simultaneously reduce the rising costs of lighting, heating and cooling structures.
1383	5/17/07	H.R. 2635, the Carbon-Neutral Government Act of 2007	US0037221-US0037324	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Government Management, Organization, and Procurement to consider H.R. 2635 (text, p. 4-39), the Carbon-Neutral Government Act of 2007, to amend the Energy Policy Act of 1992, the Energy Conservation and Production Act, and the National Energy Conservation Policy Act to promote Federal Government energy efficiency and require Federal agencies to achieve zero net greenhouse gas emissions by 2050.

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1384	5/22/07	Current Energy Legislation	US0037325-US0037343	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider the following bills: S. 645, to amend the Energy Policy Act of 2005 to provide an alternate sulfur dioxide removal measurement for coal gasification projects that must meet certain emissions standards to be eligible to receive Federal funding under the clean coal power initiative for development of coal-based gasification technologies; S. 1089, to authorize the Office of the Federal Coordinator for Alaska Natural Gas Transportation Projects to hire and terminate personnel as appropriate; H.R. 85, to amend the Energy Policy Act of 2005 to direct DOE to establish a network of advanced energy technology transfer centers to encourage demonstration and commercial application of advanced energy methods and technologies; S. 838, to establish a DOE program to provide grants for joint ventures between nonfederal U.S. and Israeli entities to research, develop, and commercialize alternative and renewable energy sources; S. 1203, to increase the number of Assistant Secretaries serving in DOE from seven to eight, and to express the sense of Congress that missions of DOE related to electricity delivery and reliability should be at the Assistant Secretary level; H.R. 1126, to amend the Steel and Aluminum Energy Conservation and Technology Competitiveness Act of 1988 to extend and revise DOE programs to enhance the energy efficiency of processes that create steel and aluminum to reduce greenhouse gas emissions believed to contribute to global climate change.
1385	5/22/07	The Case for the California Waiver	US0037344-US0037382	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine California request for EPA to grant a waiver of Federal preemption for motor vehicle greenhouse gas (GHG) emissions standards. California has developed standards to reduce GHG emissions from motor vehicles by 30 percent by 2016. The State has requested that EPA grant a waiver to allow it to regulate its GHG emissions to improve air quality and mitigate global warming. Eleven other States are prepared to adopt California's standards if the waiver is granted.
1386	5/23/07	Montreal Protocol and Global Warming	US0037383-US0037441	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Montreal Protocol on Substances That Deplete the Ozone Layer possible use to mitigate global climate change by enforcing the phase-out of hydrochlorofluorocarbon (HCFC) gas and other harmful greenhouse gasses, and to consider potential protocol enhancements to accelerate mitigation.
1387	5/24/07	Public-Private Partnerships: State and User Perspectives	US0037442-US0037585	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Highways and Transit to examine use of public-private partnerships (PPPs) to finance highway projects and other transportation infrastructure improvements, including use of tolls, and to review related public policy implications (Subcommittee memo and witness list, p. vi-xi).

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1388	5/24/07	The Issue of Potential Impacts of Global Warming on Recreation and the Recreation Industry	US0037586-US0037702	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential impact of global climate change on outdoor recreation opportunities and businesses. Snowpack in certain mountain regions of the western U.S. have decreased by 50 to 75 percent. In recent reports, the Intergovernmental Panel on Climate Change predicted that global warming will impact winter tourism and decrease snowpack in much of North America. Global climate change is also predicted to impact coastal communities, wetlands, and wildlife populations.
1389	6/4/07	Global Warming Mountaintop "Summit": Economic Impacts of New England	US0037703-US0037779	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Franconia, N.H., before the Select Energy Independence and Global Warming Committee to examine economic implications of global warming for New England region, including impacts in New Hampshire.
1390	6/7/07	Legislative Hearing on Discussion Draft Concerning Alternative Fuels, Infrastructure, and Vehicles	US0037780-US0038040	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to consider draft bill (text, p. 181-237), to amend the Clean Air Act to establish additional Federal regulations and programs to reduce air pollution and greenhouse gas emissions from motor vehicles and to expand use of renewable and alternative motor vehicle fuels.
1391	6/7/07	An Examination of the Views of Religious Organizations Regarding Global Warming	US0038041-US0038351	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine perspectives of religious institutions on global climate change impact, and to review recommendations to address global climate change. It has been predicted that weather and natural disasters attributed to global warming will most heavily impact poor populations worldwide. Multiple major national religious denominations and organizations recently issued a document calling for environmental stewardship and actions to address global climate change.
1392	6/8/07	Massachusetts v. U.S. EPA: Implications of the Supreme Court Decision	US0038352-US0038445	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine implications of Supreme Court Apr. 2007 decision in Massachusetts v. EPA, which directed EPA to regulate greenhouse gas emissions as pollutants under the Clean Air Act. In 2003, EPA denied a petition to regulate greenhouse gas emissions from new motor vehicles to mitigate global climate change which resulted in the case known as Massachusetts v. EPA.
1393	6/19/07	Green Cities: Mayoral Initiatives To Reduce Global Warming Pollution	US0038446-US0038522	Def. Cogressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine local government efforts and initiatives to address global climate change and reduce greenhouse gas emissions. Cities account for 78 percent of all greenhouse gas emissions.

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1394	6/21/07	Overseas Private Investment Corporation Reauthorization Act of 2007	US0038523-US0038589	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Contains transcript of Subcommittee on Terrorism, Nonproliferation, and Trade markup session on H.R. 2798 (text, p. 2-27; amended text, p. 29-58), the Overseas Private Investment Corporation Reauthorization Act of 2007, to amend the Foreign Assistance Act of 1961 to extend through FY2011 and revise Overseas Private Investment Corp. programs to provide direct loans and loan guarantees to U.S. companies investing in developing countries and political risk insurance to U.S. investors overseas. Includes provisions to: Direct Overseas Private Investment Corp. to institute various measures to improve rights of workers overseas; Require applicants for OPIC assistance to obtain community support for projects that are likely to have significant adverse environmental impacts; Prohibit OPIC from approving contracts for projects that involve an extractive industry without prior Congressional notification and investor and host country agreement to implement extractive industries transparency initiative principles; Direct OPIC to institute a climate change mitigation action plan to promote clean and efficient energy technologies; Prohibit OPIC assistance for individuals with business activity in or with state sponsors of terrorism. Amended bill was favorably reported.
1395	6/26/07	Benefits of Intercity Passenger Rail	US0038590-US0038769	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine benefits of and proposals to improve National Railroad Passenger Corp. (Amtrak) intercity passenger rail service, in light of upcoming reauthorization.

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1396	6/26/07	Various Bills and Resolutions	US0038770- US0039167	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Contains transcript of Committee markup session on the following: H.R. 1400 (text, p. 2-26), the Iran Counter-Proliferation Act of 2007, to amend the Iran Sanctions Act of 1996 and the Internal Revenue Code of 1986 to strengthen U.S. economic sanctions against Iran in response to Iran efforts to develop nuclear weapons, including provisions to require the President to determine whether the Iranian Revolutionary Guard Corps should be designated as a foreign terrorist organization, and to authorize Department of Treasury FY2008 funding for programs to combat terrorist financing and funds for the President to implement a youth exchange program to enhance U.S.-Iranian friendship. Amended bill was favorably reported. H.R. 2844 (text, amended text, p. 48-88, 90-130), the Food Security and Agricultural Development Act of 2007, to amend the Agricultural Trade Development and Assistance Act of 1954 and six other acts to extend through 2012 and revise USDA and AID food assistance and agricultural export programs, including various agricultural trade promotion programs and international food assistance programs for developing countries. Amended bill was favorably reported. H. Res. 121 (text, amended text, p. 156-159, 161-164), to express the sense of the House of Representatives that the Japanese Government should formally acknowledge and accept responsibility for system established by Japanese soldiers during colonial occupation of Asia and Pacific Island areas from the 1930s through WWII in which local "comfort women" were coerced into providing sex. Amended resolution was favorably reported. H.R. 2798 (text, amended text, p. 190-215, 217-247), the Overseas Private Investment Corporation Reauthorization Act of 2007, to amend the Foreign Assistance Act of 1961 to extend through FY2011 and revise Overseas Private Investment Corp. programs to provide direct loans and loan guarantees to U.S. companies investing in developing countries and political risk insurance to U.S. investors overseas, including provisions to direct Overseas Private Investment Corp. to institute a climate change mitigation action plan to promote clean and efficient energy technologies and to prohibit Overseas Private Investment Corp. assistance for individuals with business activity in or with state sponsors of terrorism. Amended bill was favorably reported. H.R. 176 (text, amended text, p. 270-299), the Shirley A. Chisholm U.S.-Caribbean Educational Exchange Act of 2007, to authorize the Department of State to establish an educational exchange program between the U.S. and nations of the Caribbean Community (CARICOM), and to extend and expand AID educational development assistance programs for CARICOM countries. Amended bill was requested to be considered under suspension of the rules. H.R. 2293 (text, p. 300-305), to require the Department of State to periodically report on Palestinian Authority and U.S. efforts to arrest and bring justice to Palestinian terrorists who killed U.S. security contract employees John Branchizio, Mark Parson, and John M. Linde on Oct. 15, 2003, in Gaza. Bill was requested to be considered under suspension of the rules. H.R. 2843 (text, p. 306-309), the Library of Congress Public Diplomacy Collection Act of 2007, to direct LC to establish a collection of various media, print, audio, and visual materials which provide insight into U.S. cultural and democratic values for use in Department of State operated libraries and resource centers by U.S. consulates and

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1397	6/28/07	Examining Global Warming Issues in the Power Plant Sector	US0039168-US0039392	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine global warming issues and challenges, focusing on developments in the power plant sector and the economic impacts of energy regulation. Power plants are the single largest CO2 emitting sector in the U.S. economy, accounting for 40 percent of all emissions. Technological choices and advances in the energy industry will be instrumental to our ability to combat global warming in the future.
1398	7/11/07	Full Committee Hearing on Small Small Businesses at the Forefront of the Green Revolution: What More Needs To Be Done To Keep Them Here?	US0039393-US0039480	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine small business impact on and role in efforts to address global climate change, and to review local government efforts to assist small businesses in reduction of energy use and greenhouse gas emissions and in marketing of energy-efficient products, focusing on efforts to promote development and construction of environmentally safe buildings and facilities.
1399	7/11/07	Kyoto Protocol: An Update	US0039481-US0039631	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Asia, the Pacific, and the Global Environment to review U.S. role to address global climate change in relation to the Kyoto Protocol, focusing on participation in international cooperative efforts to reduce greenhouse gas production.
1400	7/12/07	Plugging into Energy Independence with 150 MPG Vehicles	US0039632-US0039696	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine potential of fuel efficient hybrid and plug-in electric vehicles and technologies to reduce U.S. dependence on foreign oil and mitigate global climate change. Replacing passenger vehicles with plug-in hybrids could reduce oil consumption by 6.5 million barrels a day and greenhouse gas emissions by 27 percent.
1401	7/18/07	Voluntary Carbon Offsets: Getting What You Pay For	US0039697-US0039880	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine issues related to U.S. voluntary carbon offset market oversight, in light of concerns about market credibility and effectiveness of carbon offsets to mitigate global climate change. Journalistic reports have raised concerns about lack of regulation and credibility of carbon offset market.
1402	7/24/07	Economic and International Issues in Global Warming Policy	US0039881-US0040098	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Private Sector and Consumer Solutions to Global Warming and Wildlife Protection to examine economic and international issues related to U.S. global climate change policy, including proposal to establish a "cap-and-trade" program that sets a mandatory cap on air pollutant emissions and provides companies with economic incentives to reach that cap at the lowest possible costs in order to reduce greenhouse gas (GHG) emissions. There are currently multiple legislative proposals before Congress to reduce GHG emissions and mitigate global warming.

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1403	7/26/07	Examining the Case for the California Waiver: An Update from EPA	US0040099-US0040295	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine status of EPA decision making process regarding California request for EPA to grant a waiver of Fed+ [Summary]eral preemption for motor vehicle greenhouse gas (GHG) emissions standards. Also considers S. 1785, to establish a deadline of Sept 30, 2007, for EPA to issue its decision regarding California waiver request for GHG emissions. California has developed standards to reduce GHG emissions from motor vehicles by 30 percent by 2016. The State has requested that EPA grant a waiver to allow it to regulate its GHG emissions to improve air quality and mitigate global warming. Twelve other States are prepared to adopt California's standards if the waiver is granted.
1404	7/31/07	FEMA Preparedness in 2007 and Beyond	US0040296-US0040510	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine FEMA emergency and disaster preparedness and planning efforts, and to review FEMA implementation of reform measures to improve disaster preparedness and response, in light of deficiencies in preparedness and response for Aug. 2005 Hurricane Katrina, which caused widespread damage in the Gulf Coast region.
1405	10/10/07	Business Opportunities in a Low-Carbon Energy Economy	US0040511-US0040636	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine potential business opportunities associated with development of low-carbon energy technologies for the economy to mitigate global climate change. According to the Stern Review on the Economics of Climate Change, the value of the global environmental market could be \$700 billion as soon as 2010 with the adoption of well-thought-out U.S. and international governmental policies.
1406	8/14/07	Green Jobs from Action on Global Warming	US0040637-US0040690	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in San Jose, Calif., to examine economic rationale and benefits of investments in energy efficient technologies, focusing on opportunities and developments in California. Research conducted by faculty at the University of California, Berkeley's California Climate Change Center has recently suggested that California could enjoy potentially significant net gains in State employment and gross State product if it pursues specific policies to combat global warming.
1407	10/18/07	Energy and Global Warming Solutions for Vulnerable Communities	US0040691-US0040746	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine energy policy proposals to reduce dependence on fossil fuels and promote renewable energy development to address threat of global climate change. Recently introduced legislation proposes promotion measures for renewable and alternative energy resources development to reduce pollution and greenhouse gas emissions believed to contribute to global climate change.
1408	10/23/07	Examining the Human Health Impacts of Global Warming	US0040747-US0040816	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine global climate change effects on public health. The World Health Organization estimates that global climate change leads to at least 3 million cases of illness and more than 150,000 deaths per year.

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1409	10/24/07	The Gas Is Greener: The Future of Biofuels	US0040817-US0040958	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine benefits of and policy issues related to biofuels use and research for transportation sector, in light of increasing U.S. foreign oil dependency and global climate change. Biofuels hold the potential to improve U.S. energy security and reduce greenhouse gas emissions that contribute to global climate change. Biofuels account for only 3 percent of total U.S. fuel consumption, but DOE predicts that biofuels could displace 30 percent of current fuel consumption by 2030.
1410	10/24/07	Examine America's Climate Security Act of 2007	US0040959-US0041189	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Private Sector and Consumer Solutions to Global Warming and Wildlife Protection to consider S. 2191, the America's Climate Security Act of 2007, to direct EPA to establish a "cap-and-trade" program that sets a mandatory cap on air pollutant emissions and provides companies with economic incentives to reach that cap at the lowest possible costs in order to reduce greenhouse gas emissions. Views differ regarding potential effects of proposed cap-and-trade program on the economy, energy prices, consumers, and employment.
1411	9/6/07	The Future of Coal Under Carbon Cap and Trade	US0041190-US0041507	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine global climate change and development of carbon capture and sequestration (CCS) technologies, also known as carbon capture and storage, for coal-fired power plants that generate electric power. Coal-fired power plants emit twice as much carbon dioxide per unit of electricity as gas-fired power plants and are responsible for over a quarter of all greenhouse gas emissions.
1412	9/20/07	Renewable Electricity Standards: Lighting the Way	US0041508-US0041622	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine State efforts to promote energy production from renewable electricity resources, and to review impact of proposal to establish a national renewable electricity standard (RES) to require electric utilities to obtain a certain percentage of electricity from renewable resources to mitigate global climate change. Electric power plants using fossil fuels are responsible for approximately 40 percent of carbon dioxide emissions that are believed to contribute to global climate change. Renewable sources represent only 2.4 percent of electricity generation in the U.S.
1413	9/24/07	Climate Change on Wildfire Activity	US0041623-US0041703	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine global climate change impact on frequency and magnitude of forest fires in the U.S., focusing on Federal wildfire management policies and preparedness efforts.

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1414	9/25/07	Green Jobs Created by Global Warming Initiatives	US0041704-US0041952	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential impact on employment and the economy of Federal renewable energy and energy efficiency initiatives to mitigate global climate change, including proposed cap-and-trade program to reduce greenhouse gas emissions, in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs. Climate change legislation may create jobs in certain energy sectors, but cause job losses in others. There are differing views on the potential impact that climate change mitigation proposals may have on the economy.
1415	9/26/07	An Examination of the Impacts of Global Warming on the Chesapeake Bay	US0041953-US0042114	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine impact of global climate change on the Chesapeake Bay, and to review options to protect Chesapeake Bay from adverse effects of climate change. A report issued by the National Wildlife Federation concluded that global warming will harm fish, oyster, clam, and crab populations, as well as breeding grounds and migration patterns for waterfowl in the Chesapeake Bay area. Other published studies indicate that warmer air and water in the region will change the Bay ecosystem, contribute to worsening dead zones and harmful algae blooms, and encourage the spread of marine diseases and invasive species.
1416	10/11/07	Great Basin Threats	US0042115-US0042179	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Las Vegas, Nev., before the Subcommittee on Public Lands and Forests to examine environmental threats and challenges in the Great Basin region of Nevada and Utah, focusing on the negative impact of global climate change and wildfires.
1417	10/18/07	EPA Black Carbon and Global Warming	US0042180-US0042295	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine environmental impact of black carbon emissions, and to review options to reduce black carbon emissions to mitigate global climate change. Black carbon, also known as "soot," is generated by fossil- and bio-fuels combustion.
1418	11/1/07	Wildfires and the Climate Crisis	US0042296-US0042390	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine global climate change impact on frequency and magnitude of forest fires in the U.S., and to review wildfire management policies and prevention efforts. Recent scientific studies have found that, since 1986, the western fire season is 78 days longer, and there have been increases in wildfire size and number of acres burned.

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1419	11/2/07	Bright Lights in the Cities: Pathways to an Energy-Efficient Future	US0042391-US0042484	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Seattle, Wash., before the Select Energy Independence and Global Warming Committee to examine local government efforts to address global climate change and reduce greenhouse gas emissions. While the Federal Government considers similar measures, numerous cities have taken steps to mitigate greenhouse gas emissions to address global climate change.
1420	11/5/07	Youth Leadership for Clean Energy and a Healthy Climate	US0042485-US0042522	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to review activities and role of young adult and youth activists in promoting various environmental improvement causes, including clean energy use and global warming mitigation efforts.
1421	11/7/07	Oil Shock: Potential for Crisis	US0042523-US0042574	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine findings from Oil ShockWave oil crisis simulation exercise that was conducted by energy and military experts on Nov. 1, 2007, in D.C. to illustrate the strategic dangers of oil dependence resulting from a global oil crisis. The Oil ShockWave simulation exercise confronts a mock U.S. cabinet with highly plausible geopolitical crises that trigger sharp increases in oil prices and requires them to formulate a response plan for the nation.
1422	11/8/07	EPA Approval of New Power Plants: Failure to Address Global Warming Pollutants	US0042575-US0042779	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine EPA recent regulatory decisions regarding carbon dioxide emissions from coal-fired power plants, in light of Supreme Court Apr. 2007 decision in directing EPA to regulate greenhouse gas emissions as pollutants under the Clean Air Act.
1423	11/8/07	America's Climate Security Act of 2007, S. 2191	US0042780-US0043290	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to consider S. 2191, the America's Climate Security Act of 2007, to direct EPA to establish a "cap-and-trade" program that sets a mandatory cap on air pollutant emissions and provides companies with economic incentives to reach that cap at the lowest possible costs in order to reduce greenhouse gas (GHG) emissions.
1424	11/13/07	International Climate Change Negotiations: Restoring U.S. Leadership	US0043291-US0043385	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review U.S. role in international negotiations on global climate change issues and policies, in light of upcoming climate conference in Bali.

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1425	11/14/07	State Leadership Towards a Low-Carbon Energy Future	US0043386-US0043446	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine State government efforts to address global climate change and reduce greenhouse gas emissions. While the Federal Government considers similar measures, numerous States have taken steps to mitigate greenhouse gas emissions and adopt renewable energy standards.
1426	12/11/07	SECURE Water Act	US0043447-US0043552	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 2156, the Science and Engineering to Comprehensively Understand and Responsibly Enhance Water Act, also known as the SECURE Water Act, to require Department of Interior and DOE to initiate activities to promote water resources programs. Includes provisions to Direct Bureau of Reclamation to establish a climate change adaptation program to assess global climate change impact on water resources; Authorize Department of Interior to provide grants to or enter into cooperative agreements with individuals or research institutions to fund water conservation research activities; Direct DOE to assess effects of global climate change on hydroelectric power generation; Direct Geological Survey to develop groundwater monitoring program and to establish a water availability and use assessment program.
1427	12/19/07	After Bali: The U.N. Conference and Its Impact on International Climate Change Policy	US0043553-US0043768	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine U.S. and international efforts to address global climate change in light of Dec. 2007 UN Climate Change Conference held in Bali, Indonesia. The U.S. and over 180 other countries attended the UN Climate Change Conference to develop an international strategy to mitigate global climate change. There are concerns that the resulting agreement, known as the Bali action plan, is inadequate to address global climate change problem.
1428	6/6/07	Climate Change and Water Supply	US0043769-US0043852	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Water and Power to examine impact of global climate change on U.S. water supply, and to review issues related to water use and availability.

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1429	1/17/08	On Thin Ice: The Future of the Polar Bear	US0043853-US0044150	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to review effect of global climate change on Arctic region and polar bear habitat and survival, and to examine Fish and Wildlife Service decision to delay whether to designate polar bears as threatened species under the Endangered Species Act (ESA) and Minerals Management Service plan to sell oil and gas leases in the Chukchi Sea in the Alaska outer continental shelf, which is an area that is essential habitat for polar bears. Recently it was reported that as a result of global warming, the 2007 summer Arctic sea ice was likely the greatest of the last century, melting at a rate that was 23 percent greater than the previous record set in 2005. Other reports conclude that the Arctic Ocean could be ice-free as early as 2012, which would be detrimental to the polar bear population in the region.
1430	1/17/08	Administration Perspectives on United Nations Climate Change Conference in Bali	US0044151-US0044288	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine U.S. and international efforts to address global climate change in light of Dec. 2007 UN Climate Change Conference held in Bali, Indonesia.
1431	1/23/08	Cap, Auction, and Trade: Auctions and Revenue Recycling Under Carbon Cap and Trade	US0044289-US0044509	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine potential use of auctions to allocate emissions allowances under a proposed cap-and-trade program to reduce greenhouse gas emissions, in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs. Auctioning has the potential to generate billions of dollars in revenue, which can be used to invest in technology and renewable energy, provide tax cuts for low- and middle-income households, and reduce overall program cost. Economists have been nearly unanimous in advocating use of auctioning over free allocation.
1432	1/24/08	International Climate Change Negotiations: Bali and the Path Toward a Post-2012 Climate Treaty	US0044510-US0044596	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine U.S. and international efforts to address global climate change in relation to Dec. 2007 UN Climate Change Conference held in Bali, Indonesia.

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1433	1/24/08	Oversight of EPA's Decision To Deny the California Waiver	US0044597-US0044760	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review EPA decision to deny California request for a Clean Air Act waiver that would have allowed the State to establish stricter greenhouse gas emissions standards for vehicles than required by Federal law. The proposed California emission standards would require new cars to emit 30 percent less greenhouse gases by 2016. Sixteen other States are also trying to adopt the California standards and there are concerns that, if a waiver were granted, it would result in a regulatory patchwork and hurt the economy. Proponents argue that the States are simply filling the vacuum of Federal regulation and stepping in to address global climate change absent a more robust nationwide policy. According to one estimate, if the California waiver is granted, it would be the equivalent of taking 6.5 million cars off of the road.
1434	1/30/08	Learning from a Laureate: Science, Security and Sustainability	US0044761-US0044824	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine findings of Intergovernmental Panel on Climate Change (IPCC) 2007 report assessing the scientific understanding of global climate change trends, implications, and mitigation strategies. The IPCC report concludes that the buildup of heat-trapping gases in the atmosphere due to human activities is threatening the peace and security of communities around the world.
1435	1/30/08	Examining Threats and Protections for the Polar Bear	US0044825-US0045299	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review status of and legal protections for the polar bear and impact of global climate change on its Arctic habitat, including a proposal to list the polar bear as a threatened species under the Endangered Species Act (ESA), and to examine Minerals Management Service plan to sell oil and gas leases in the Chukchi Sea in the Alaska outer continental shelf, an area that is essential habitat for polar bears. There are an estimated 20,000 to 25,000 polar bears in 19 populations in the Arctic. However, concerns have been raised about the future of the bears due to global warming and the resulting melting sea ice which the polar bears need for dens and hunting.
1436	2/14/08	Fire and Rain: How the Destruction of Tropical Forests is Fueling Climate Change	US0045300-US0045370	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine tropical forest deforestation impact on global climate change. When forests are cut down or burned, they release the carbon stored within them. Twenty percent of global emission of heat-trapping gases comes from cutting down forests.

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1437	2/26/08	Food for Thought: Sustainability from Counter to Compost	US0045371-US0045437	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine approaches to develop sustainable food system that promotes environmental and public health and reduces pollution, including utilization of biodegradable and recyclable materials and food waste composting, and to review food service industry role in food system sustainability. The typical American prepared meal contains on average ingredients from at least five countries outside the U.S. By favoring more local fare, the carbon dioxide emissions associated with food travel can decrease significantly. Food waste is predicted to increase 44 percent worldwide and it can be recycled into compost, resulting in fewer emissions and in new economic products.
1438	2/27/08	Climate Change and Vulnerable Societies: A Post-Bali Overview	US0045438-US0045526	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Asia, the Pacific, and the Global Environment to examine U.S. and international efforts to address global climate change in relation to Dec. 2007 UN Climate Change Conference held in Bali, Indonesia, and the Kyoto Protocol.
1439	3/5/08	Climate Change: Competitiveness Concerns and Prospects for Engaging Developing Countries	US0045527-US0045794	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine development and implementation of international cap-and-trade programs to reduce greenhouse gas emissions in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs, focusing on implications for U.S. competitiveness and global climate change mitigation efforts in developing countries.
1440	3/6/08	Blowing in the Wind: Renewable Energy as the Answer to an Economy Adrift	US0045795-US0045902	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine potential economic and environmental benefits of renewable energy development, and to review Federal policy and tax incentives to promote renewable energy industry investment. Rising energy prices are adversely affecting the U.S. economy. DOL reported 17,000 jobs were lost in Jan. 2008, the first monthly decline in four years. Although renewable energy development has the potential to promote economic growth and job creation, tax credits that have driven recent growth in renewable energy industries are set to expire this year.
1441	3/12/08	Nuclear Power in a Warming World: Solution or Illusion?	US0045903-US0046056	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine role of nuclear power in reducing greenhouse gas emissions and mitigating global climate change. Nuclear energy currently produces 19 percent of U.S. electricity from 104 nuclear reactors. Because nuclear power produces energy without greenhouse gas emissions, there are proposals to construct additional nuclear power facilities to help mitigate global warming. High construction costs, safety, and environmental and health risks raise concerns about increasing nuclear power production.

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1442	3/13/08	Massachusetts v. U.S. EPA, Part II: Implications of the Supreme Court Decision	US0046057-US0046217	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine EPA response to Supreme Court Apr. 2007 decision in Massachusetts v. EPA, which directed EPA to regulate greenhouse gas (GHG) emissions as pollutants under the Clean Air Act (CAA). In 2003, EPA denied a petition to regulate GHG emissions from new motor vehicles to mitigate global climate change which resulted in the case known as Massachusetts v. EPA. Nearly one year following the decision, EPA has not yet issued GHG emissions regulations.
1443	3/19/08	Climate Change Impacts and Responses in Island Communities	US0046218-US0046316	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Honolulu, Hawaii, to examine impact of climate change on Hawaiian Pacific Islands, focusing on climate change adaptation and mitigation strategies, including development of State renewable energy resources. Rising sea levels associated with warmer temperatures make coastal and island communities particularly vulnerable to the effects of climate change. Though it has unique challenges, Hawaii also has unique opportunities to mitigate against these effects. The State terrain provides all forms of renewable energy resources, including solar, wind, wave, and geothermal power.
1444	4/1/08	Drilling for Answers: Oil Company Profits, Runaway Prices and the Pursuit of Alternatives	US0046317-US0047057	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine factors contributing to recent increases in gasoline and oil prices, and to review petroleum industry efforts to develop renewable and alternative energy resources. The price of gasoline has nearly tripled since 2002. The poorest 20 percent of American households are spending nearly 10 percent of their income on gasoline. Major oil companies profits have more than quadrupled over the last six years.
1445	4/2/08	From the Wright Brothers to the Right Solutions: Curbing Soaring Aviation Emissions	US0047058-US0047189	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine aviation emissions role in global climate change, and to review Federal and aviation industry efforts to reduce greenhouse gas emissions. Aviation emissions account for about 12 percent of U.S. transportation emissions and 3 percent of emissions worldwide. The Intergovernmental Panel on Climate Change has predicted that aviation emissions could double or triple by 2050.
1446	4/2/08	Oversight Hearing on the Listing Decision for the Polar Bear Under the Endangered Species Act	US0047190-US0047415	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine status of and legal protections for the polar bear and impact of global climate change on its Arctic habitat, and to review concerns about Department of Interior delay in issuing decision on whether to list the polar bear as a threatened species under the Endangered Species Act (ESA) of 1973. Many scientists are concerned that polar bears, with estimates of 20,000 to 25,000 in the wild, are in danger of losing their habitat and becoming extinct over the next 50 years.

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1447	4/3/08	Hearing on Examining Strategies To Reduce Greenhouse Gas Emissions at U.S. Colleges and Universities	US0047416-US0047510	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine greenhouse gas emission reduction strategies at U.S. colleges and universities. By eliminating greenhouse gases and conducting vital climate research, colleges and universities across the U.S. are leading the fight against global warming. They are educating and training the next generation of engineers, architects, business leaders, and scientists to build and compete in a low-carbon economy.
1448	4/9/08	Healthy Planet, Healthy People: Global Warming and Public Health	US0047511-US0047723	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine impact of global climate change on public health. The World Health Organization reported that the effects of climate change may have caused over 150,000 deaths in the year 2000, and it predicts that these impacts are likely to increase in the future. According to the Intergovernmental Panel on Climate Change, the U.S. will be challenged by increased heat waves, air pollution, and forest fires during the twenty-first century, and there will be potential risks for adverse health impacts such as heat stress and increases in asthma, allergies, and chronic and obstructive pulmonary disease.
1449	4/9/08	Coal Gasification Technologies and the Need for Large Scale Projects	US0047724-US0047809	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Science, Technology, and Innovation to examine Federal carbon capture and storage (CCS) technology, also known as carbon capture and sequestration, at coal-fired power plants, and to review coal liquefaction and gasification technologies development to convert coal into synthetic liquid fuels. CCS technology captures emissions from power plants and other industrial facilities, and permanently buries them to prevent global warming. A number of recent studies from MIT and elsewhere have highlighted the importance and potential promise of CCS technology development, particularly within the electric power sector.
1450	4/16/08	Green Capital: Seeding Innovation and the Future Economy	US0047810-US0047921	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine proposals and policies to promote investment in renewable energy technologies. Venture capitalists play a key role in innovation. The \$26 billion in U.S. venture capital investment in 2006 represented less than 1 percent of U.S. gross domestic product (GDP), but the \$2.3 trillion in revenues these firms generated made up 18 percent of U.S. GDP.
1451	4/22/08	International Deforestation and Climate Change	US0047922-US0047985	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on International Development and Foreign Assistance, Economic Affairs and International Environmental Protection to examine efforts to address and prevent global deforestation and degradation as part of U.S. policy on climate change.

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1452	4/24/08	Pumping Up Prices: The Strategic Petroleum Reserve and Record Gas Prices	US0047986-US0048111	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine factors contributing to recent increase in gasoline and oil prices, and to review policies regarding the Strategic Petroleum Reserve (SPR), an emergency stockpile of crude oil for responding to oil supply disruptions. Gas prices have more than tripled over the past six years, with the current price of oil at \$119 per barrel. The U.S. currently purchases 70,000 barrels of oil every day to fill the SPR. There are concerns that removing this amount of oil per day from the market to build the reserve is incurring excessive cost for the Federal Government and increasing oil and gas prices for consumers.
1453	4/29/08	Rising Tides, Rising Temperatures: Global Warming's Impacts on the Oceans	US0048112-US0048215	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine global climate change impact on oceans and marine ecosystems. During the past 40 years, oceans have absorbed 90 percent of the estimated increase in the Earth's heat content from human activities. Warmer ocean temperatures impact sea life at all depths and pose rising sea level threats. There is also a risk of ocean acidification as sea water absorbs more and more carbon dioxide.
1454	5/6/08	Aviation and the Environment: Emissions	US0048216-US0048432	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Aviation to examine aviation emissions role in global climate change, and to review Federal and aviation industry efforts to reduce greenhouse gas emissions (Subcommittee memo and witness list, p. vi-xiii).
1455	5/7/08	Oversight Hearing on Science and Environmental Regulatory Decisions	US0048433-US0048612	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Public Sector Solutions to Global Warming, Oversight, and Children's Health Protection to review EPA regulatory decisionmaking process and scientific integrity issues, in light of concerns about alleged Bush Administration political interference at EPA with certain policies and scientific decisions. Recently, some individuals and groups have claimed that the EPA has interfered with certain scientific decisions for political reasons or at the behest of industry. A Union of Concerned Scientists recent survey found that more than 500 EPA scientists knew of many or some cases where EPA political appointees had interfered with scientific decisions, and nearly 900 scientists personally experienced at least one incident of political interference during the past five years.
1456	5/8/08	Negawatts: The Role of Efficiency Policies in Climate Legislation	US0048613-US0048708	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to review energy efficiency policy initiatives for global climate change mitigation. DOE projects that U.S. electricity demand will grow by 30 percent by 2030. Recent studies have concluded that in 2030 efficiency measures can cut U.S. global warming pollution by nearly 15 percent of current levels at a profit.

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1457	5/14/08	Building Green, Saving Green: Constructing Sustainable and Energy-Efficiency Buildings	US0048709-US0048856	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine benefits of green building programs and initiatives to reduce energy consumption and promote energy efficiency and conservation, including leadership in energy and environmental design (LEED) third-party certification system for green buildings. Energy-efficient buildings can be part of a comprehensive fight against global warming. Efficient design, low-emission construction materials, and decreased energy use in buildings can combat global warming and simultaneously reduce the rising costs of lighting, heating and cooling structures.
1458	5/21/08	Creating Jobs with Climate Solutions: How Agriculture and Forestry Can Help Lower Costs in a Low-Carbon Economy	US0048857-US0049264	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Rural Revitalization, Conservation, Forestry, and Credit to examine potential role of agriculture and forestry in greenhouse gas reduction, focusing on benefits of carbon offsets and cap-and-trade programs.
1459	5/22/08	Oversight of the Bush Administration's Energy Policy	US0049265-US0049331	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine Bush Administration DOE energy policy, in light of current energy, economic, and environmental challenges. The Bush Administration energy policy is focused mainly on fossil fuels and oil and gas drilling. Over the last seven years of the Bush Administration, the price of oil has increased exponentially.
1460	5/27/08	Effects of Climate Change on Marine and Coastal Ecosystems in Washington State	US0049332-US0049384	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Seattle, Wash., before the Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard to examine effect of climate change on marine coastal ecosystems in Washington State. Marine ecosystems are being impacted by various climate change-related phenomena, including rising sea levels and temperatures, changing wind and wave patterns, and even ocean acidification, which stems from increased concentrations of carbon dioxide in the atmosphere.
1461	6/11/08	The Future of Oil	US0049385-US0049601	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine implications and causes of rising oil and gasoline prices, and to review options to reduce U.S. dependence on foreign oil. The current cost of oil is \$135 per barrel compared to \$72 in 2007. Oil demand is expected to rise 30 percent worldwide over the next 2 decades. The International Energy Agency estimates that OPEC countries would need to increase oil production by 57 percent to meet projected demands.
1462	6/18/08	Planning Communities for a Changing Climate--Smart Growth, Public Demand and Private Opportunity	US0049602-US0049691	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine so-called "smart growth" community development policies that promote energy efficiency and independence and reduce greenhouse gas emissions to mitigate global climate change. The smart growth approach to building communities places homes, stores, and areas of employment within walking distance to reduce reliance on driving and preserve open spaces.

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1463	6/19/08	Legislative Proposals To Reduce Greenhouse Gas Emissions: An Overview	US0049692-US0050179	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine the following bills to reduce greenhouse gas (GHG) emissions and address climate change: S. 1766, the Low Carbon Economy Act of 2007, to institute various measures to reduce GHG emissions, including provisions to require specified regulated entities to submit to the President either the number of allowances or credits equal to the entity's covered GHG emissions, or a payment equal to the amount of the technology accelerator payment price. S. 2191, the Lieberman-Warner Climate Security Act of 2007, and Senate Amendment 4825 to S. 3036, the Lieberman-Warner Climate Security Act of 2008, both to establish a "cap-and-trade" program that sets a mandatory cap on air pollutant emissions and supply companies with a certain number of tradable emissions permits to provide economic incentives to reduce carbon dioxide emissions. H.R. 1590, the Safe Climate Act of 2007, to direct EPA to set annual GHG emission reduction targets from 2010-2050, and to promulgate regulations requiring reductions to meet the targets, including by setting caps on GHG emissions of sources and sectors with the largest emissions or the best opportunities to reduce them. H.R. 6186, the Investing in Climate Action and Protection Act, to institute various measures to reduce GHG emissions, including provisions to direct EPA to establish a Federal GHG registry to collect accurate GHG emissions data for use by public and private entities in implementing GHG reduction policies, and to require EPA to establish specified quantities of GHG emission allowances for 2012-2050 and a GHG emission allowance transfer system for specified covered facilities.
1464	6/24/08	Climate Change Impacts on the Transportation Sector	US0050180-US0050314	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review transportation sector impact on global climate change, and to examine efforts to reduce greenhouse gas emissions. Transportation sources account for approximately one-third of U.S. greenhouse gas emissions, and transportation emissions are among the fastest-rising of all emitting sectors, due to increased consumption of gasoline, jet fuel, and diesel fuel. EPA estimates that greenhouse gas emissions attributable to transportation sector will increase 26 percent by the year 2020.
1465	6/25/08	National Security Implications of Global Climate Change	US0050315-US0050494	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Joint hearing before the House Select Energy Independence and Global Warming Committee and the House Select Intelligence Committee Subcommittee on Intelligence Community Management to examine potential global climate change threats to national security, and to review findings of intelligence community national intelligence assessment (NIA) regarding global climate change implications for security. The intelligence community produced the NIA in response to CNA Corp. 2007 report recommendation.

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1466	6/26/08	\$4 Gasoline and Fuel Economy: Auto Industry at a Crossroads	US0050495-US0051013	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine options to reduce gasoline consumption to decrease U.S. dependence on foreign oil and mitigate global climate change caused by greenhouse gas emissions, including proposal to increase fuel efficiency standards in passenger vehicles. The skyrocketing price of gasoline is adversely affecting consumers and businesses across the U.S., and currently approximately 60 percent of the oil consumed each day is from foreign countries.
1467	6/26/08	Hearing on Climate Change: Costs of Inaction	US0051014-US0051219	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine national security and environmental impacts of and costs associated with inaction regarding global climate change. Concerns have been raised about the costs of Federal regulations to reduce greenhouse gas emissions, but the environmental and other costs of failing to regulate emissions also are considered.
1468	7/10/08	Global Warming Effects on Extreme Weather	US0051220-US0051383	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine global climate change effects on frequency and nature of extreme weather conditions, and to review options to increase resilience to extreme weather. In recent Climate Change Science Program reports, scientists predict that climate change will lead to increases in heat waves, floods, and drought.
1469	7/10/08	H.R. 6258, the Carbon Capture and Storage Early Deployment Act	US0051384-US0051620	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to consider H.R. 6258 (text, p. 4-16), the Carbon Capture and Storage Early Deployment Act, to authorize electric utilities that deliver fossil fuel-based electricity to conduct a referendum to agree to establish and fund the Carbon Storage Research Corp., which would be operated as a division or affiliate of the Electric Power Research Institute, to provide grants and contracts to private, academic, and governmental entities for development of large-scale demonstrations of carbon capture and storage (CCS) technologies and methods. CCS, also known as carbon capture and sequestration, is a process for reducing greenhouse gas emissions by capturing and injecting underground the carbon dioxide that is emitted through the combustion of fossil fuels. It will have its most prominent application in the electric utility sector where 72 percent of U.S. electric power is generated through fossil fuel use, including 51 percent generated from coal.
1470	7/17/08	Climate Benefits of Improved Building Energy Efficiency	US0051621-US0051810	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Air Quality to examine benefits of residential and other building programs and initiatives that reduce energy consumption and global warming and that promote energy efficiency and conservation, and to review proposals to adopt stricter building codes to improve energy efficiency in new residential homes. Buildings with efficient design, low-emission construction materials, and decreased energy use can combat global warming and simultaneously reduce the rising costs of lighting, heating and cooling structures.

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1471	7/22/08	An Update on the Science of Global Warming and Its Implications	US0051811-US0051900	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine research on and threat posed by global warming and possible implications for Federal policy and decisionmaking. In 2007, the fourth assessment report of the UN Intergovernmental Panel on Climate Change (IPCC) found that global climate change is occurring and is very likely due to human activities.
1472	7/23/08	Immediate Relief from High Oil Prices: Deploying the Strategic Petroleum Reserves	US0051901-US0051956	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine possible impact of deploying oil from the Strategic Petroleum Reserve (SPR), which is an emergency stockpile of crude oil for responding to oil supply disruptions, to relieve consumers impacted by rising oil prices. At current prices, the average American consumer is spending \$2,375 every year filling up their vehicle with gas. The SPR currently contains more than 706 million barrels of oil and is filled to over 97 percent of its capacity--the highest level in its history. Deploying oil from SPR has driven down prices when it has been used in the past.
1473	7/24/08	Carbon Sequestration: Risks, Opportunities, and Protection of Drinking Water	US0051957-US0052140	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Environment and Hazardous Materials to examine development of carbon capture and sequestration (CCS) technologies to address global climate change, and to assess potential negative impact of CCS technologies on underground sources of drinking water.
1474	7/28/08	The Economics of Global Warming: Shaping How U.S. Companies Are Doing Business	US0052141-US0052216	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Hartford, Conn., before the Select Energy Independence and Global Warming Committee to examine economic and energy policy issues related to global climate change mitigation, and to review development of technologies to improve business implementation of practices that protect the environment. In the process of developing and deploying environmentally conscious technologies, a new green job market is being created that stands ready to hire in increasingly large numbers. The deployed technologies will have to be produced, installed, and maintained, which will require a transformation in the U.S. workforce.
1475	7/30/08	What's Cooking with Gas: The Role of Natural Gas in Energy Independence and Global Warming Solutions	US0052217-US0052316	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine role of natural gas in improving energy security and reducing carbon dioxide emissions to mitigate global climate change. Natural gas supplies one-quarter of U.S. energy needs. It emits half the carbon dioxide of coal and one-third the amount of oil.

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1476	7/31/08	Renewing America's Future: Energy Visions of Tomorrow, Today	US0052317-US0052411	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine energy resources and technological developments for future energy policy and to reduce energy prices and reliance on foreign oil. Exxon Mobil Corp. recently announced the largest quarterly profits in corporate history, raking in nearly \$12 billion in profits in just the last 3 months. Analysts estimate that when 2008 profits are fully counted, it will add up to \$160 billion in profits for the largest oil companies.
1477	9/10/08	Investing in the Future: R&D Needs To Meet America's Energy and Climate Challenges	US0052412-US0052507	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine investment needs to meet energy and climate challenges in connection with global climate change. The U.S. is confronted with challenges to its national security, economic security, and environmental security that stem, in part, from its over-reliance on fossil fuels. Over the past 25 years U.S. energy has fallen from 10 percent of total to 2 percent.
1478	9/18/08	The Green Road to Economic Recovery	US0052508-US0052663	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine policy options for investment in and development of energy efficient and renewable energy technologies to promote economic recovery and job creation. A recent study from the Center for American Progress and the Political Economy Research Institute shows that by investing \$100 billion in greening our buildings, expanding our mass transit, building a smart electrical grid, and supporting wind and solar power and advanced biofuels, two million new jobs can be created.
1479	9/23/08	Regulation of Greenhouse Gases Under the Clean Air Act	US0052664-US0052925	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine EPA efforts to regulate greenhouse gas (GHG) emissions as pollutants under the Clean Air Act (CAA), as directed by Supreme Court Apr. 2007 decision in Massachusetts v. EPA. The CAA authorizes EPA to regulate any air pollutant that can be reasonably seen to endanger public health. EPA argued that this authority did not extend to GHG emissions on the grounds that their connection to climate change, and the associated health risks, could not be fully substantiated.
1480	9/25/08	The Future of LIHEAP Funding: Will Families Get the Cold Shoulder This Winter?	US0052926-US0053010	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine significance of HHS low-income home energy assistance program (LIHEAP) that provides block grants to States for assisting low-income households with heating and cooling costs, in light of recent increase in home heating fuel prices and decrease in LIHEAP program funding. DOE forecasts that families in the Northeast who use heating oil will spend 30 percent more this winter than last year, and families using natural gas will spend nearly 20 percent more. Low-income families spend an average of 15 percent of their income on home energy bills.

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1481	12/9/08	Innovation, Jobs, and Energy Independence: Reinvigorating the Domestic Auto Industry	US0053011-US0053119	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine impact on energy-efficient motor vehicle technologies development of proposal to provide Federal bridge loan assistance to automobile manufacturers using funds allocated under Section 136 of the Energy Independence and Security Act of 2007 to prevent their financial collapse in light of global financial crisis. There are concerns that removing funds from this program will inhibit its intended purpose of promoting clean-energy automobile technology and innovation to reduce foreign oil dependence.
1482	12/11/08	Approaching Midnight: Oversight of the Bush Administration's Last Minute Rulemakings	US0053120-US0053254	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine Bush Administration proposed environmental regulations. Midnight rulemaking refers to the promulgation and adoption of regulations near the end of an outgoing Administration's term. Concerns have been raised about outgoing Bush Administration proposed rules regarding air pollution, endangered species, and other environmental issues.
1483	1/15/09	The U.S. Climate Action Partnership	US0053255-US0053578	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review U.S. Climate Action Partnership (USCAP) principles and recommendations for global climate change legislation, including establishment of a cap-and-trade program to reduce greenhouse gas (GHG) emissions in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs. USCAP, which includes various businesses and environmental organizations, has called for Federal legislation to slow, stop, and reverse growth in GHG emissions.
1484	1/28/09	Addressing Global Climate Change: The Road to Copenhagen	US0053579-US0053642	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine U.S. and international efforts to address global climate change, in light of UN Climate Change Conference scheduled to be held in Dec. 2009.
1485	2/4/09	Roadmap from Poznan to Copenhagen -- Preconditions for Success	US0053643-US0053731	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine U.S. and international efforts to address global climate change, in light of upcoming UN Climate Change Conference scheduled to be held in Dec. 2009 in Copenhagen, Denmark. European Commission Ambassador to U.S. John Bruton submits a written statement for a briefing held prior to witness testimony (p. 11-22). A UN Climate Change Conference was held in Dec. 2007 in Bali, Indonesia, where delegates from almost 200 countries met to discuss international climate protection. They decided on a path of negotiations leading to a comprehensive future climate regime, which was reviewed in Dec. 2008 at a subsequent UN conference in Poznan, Poland, and was ultimately adopted in 2009 at the upcoming UN conference in Copenhagen.

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1486	2/12/09	The Climate Crisis: National Security, Public Health, and Economic Threats	US0053732-US0053984	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to examine potential global climate change threats to national security, public health, and the economy. Recent studies suggest that by 2050, the U.S. could face annual climate change-related damages exceeding \$500 billion, which is 1.5 percent of current GDP, and global GDP could potentially fall by as much as 20 percent.
1487	2/24/09	Energy Efficiency: Complementary Policies for Climate Legislation	US0053985-US0054180	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to examine potential role of energy efficiency measures in future legislative solutions to existing and projected energy security and global climate change challenges. DOE estimates that U.S. electricity demand will grow by 30 percent by 2030. Energy efficiency will be a key component of any comprehensive energy policy solution as it costs as little as one-third per kilowatt hour of the cost of new electricity supply, emits no carbon, and is effectively energy resource neutral.
1488	2/25/09	Update on the Latest Global Warming Science	US0054181-US0054380	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine research on and threat posed by global warming and possible implications for Federal policy and decisionmaking. In 2007, the fourth assessment report of the UN Intergovernmental Panel on Climate Change (IPCC) found that global climate change is occurring and is very likely due to human activities.
1489	2/26/09	Renewable Energy: Complementary Policies for Climate Legislation	US0054381-US0054536	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to examine role of renewable energy to address global climate change and reduce greenhouse gas emissions, and to review Federal renewable energy policies and proposals, including proposals to establish a national renewable electricity standard (RES), also known as a renewable energy standard or renewable portfolio standard, to require electric utilities to obtain a certain percentage of electricity from renewable resources. The Administration has called for 25 percent of U.S. electricity to come from renewable resources by 2025.
1490	3/3/09	Managing Our Ocean and Wildlife Resources in a Dynamic Environment: Priorities for the New Administration and the 111th Congress	US0054537-US0054616	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Insular Affairs, Oceans, and Wildlife to examine Federal ocean and wildlife resources conservation priorities and management.
1491	3/3/09	Role of Federal Lands in Combating Climate Change	US0054617-US0054726	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on National Parks, Forests, and Public Lands to examine role of national forests and other Federal lands in addressing global climate change.

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1492	3/5/09	The Role of Offsets in Climate Legislation	US0054727-US0054860	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to examine use of carbon offsets to mitigate global climate change, in light of proposals to establish a cap-and-trade program in which policymakers set a mandatory cap on air pollutant emissions and supply companies with a certain number of tradable emissions allowances to provide economic incentives to reduce carbon dioxide emissions. Carbon offsets involve a measurable reduction of greenhouse gas emissions from an activity or project in one location that is used to compensate for emissions occurring elsewhere. Carbon offsets provide a way for individuals, businesses, and governments to address concerns about the impact of their greenhouse gas emissions on the earth's climate by paying others to undertake activities that reduce, avoid, or sequester greenhouse gases.
1493	3/10/09	The Future of Coal Under Climate Legislation	US0054861-US0055032	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to review outlook for and regulatory proposals regarding coal use, and to examine technologies to address global climate change concerns associated with coal use in energy generation, including carbon capture and sequestration (CCS). Coal supplies half of all electricity in the U.S. and is a leading source of global warming pollution. Some argue that global greenhouse gas emissions must be cut by at least 50 percent by 2050 and U.S. emissions by 80 percent in order to avoid catastrophic climate change.
1494	3/12/09	Protecting Lower-Income Families While Fighting Global Warming	US0055033-US0055127	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Income Security and Family Support to examine fiscal and distributional impacts of proposals to reduce carbon dioxide emissions, focusing on cap-and-trade programs in which policymakers set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs, and to review options to mitigate impact of higher energy costs on low-income families (Subcommittee advisory, p. 2-3).
1495	3/12/09	Consumer Protection Provisions in Climate Legislation	US0055128-US0055283	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to examine consumer protection issues related to establishment of proposed cap-and-trade program, in which policymakers set a mandatory cap on air pollutant emissions and supply companies with a certain number of tradable emissions permits to provide economic incentives to reduce carbon dioxide emissions. There are concerns that cap-and-trade legislation could increase household energy costs and result in job losses.
1496	3/12/09	Climate Science: Empowering Our Response to Climate Change	US0055284-US0055352	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine recent developments related to scientific understanding of global climate change trends, implications, and mitigation strategies.

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1497	3/18/09	Competitiveness and Climate Policy: Avoiding Leakage of Jobs and Emissions	US0055353-US0055554	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to examine potential impact on U.S. industries competitiveness and employment of global climate change mitigation proposals, including proposal to establish a cap-and-trade program, and to review options to promote international cooperation in greenhouse gas (GHG) emissions reduction efforts and avoid loss of jobs and industries to unregulated countries. Cap-and-trade refers to a program in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs. There are concerns that if the U.S. enacts global warming regulations but other nations do not, certain industries may move to unregulated countries, taking jobs with them and moving associated carbon emissions beyond regulation, referred to as leakage. There are also concerns that compliance with GHG emission reduction and energy efficiency initiatives will increase costs, putting U.S. industries at a competitive disadvantage in the global marketplace.
1498	3/19/09	Constructing a Green Transportation Policy: Transit Modes and Infrastructure	US0055555-US0055685	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine proposals for environmentally friendly transportation policy, transit modes, and infrastructure. The U.S. transportation sector is responsible for approximately one-third of our country's greenhouse gas emissions. About 60 percent of these emissions are from passenger vehicles. The U. S. has 4.5 percent of the world's population and 30 percent of the world's automobiles, and 77 percent of Americans use a single passenger car to commute.
1499	3/25/09	Preparing for Climate Change: Adaptation Policies and Programs	US0055686-US0055946	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to review options for Federal policies and programs to promote adaptation to and preparation for effects of global climate change, and to examine role of possible cap-and-trade legislation to reduce global warming pollutants and provide additional Federal funding for environmental pollution control programs. Proposed cap-and-trade program would set a mandatory cap on carbon dioxide and other greenhouse gas emissions and supply companies with a certain number of tradable emissions permits to provide economic incentives to reduce emissions and mitigate global climate change. There are concerns by some that global climate change is occurring faster now than it was ten years ago.
1500	4/7/09	Impacts of Climate Change on America's National Parks	US0055947-US0056033	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Twentynine Palms, Calif., before the Subcommittee on National Parks, Forests, and Public Lands to examine impact of global climate change on national parks, and to review strategies to protect national parks from climate change adverse effects, focusing on national parks in western States.

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1501	4/21/09	The American Clean Energy Security Act of 2009	US0056034-US0057297	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Energy and Environment to consider draft bill, the American Clean Energy and Security Act of 2009, to institute various measures to promote renewable energy sources use and energy efficiency measures across all economic sectors, including provision to require EPA to establish a cap-and-trade program in which policymakers set a mandatory cap on air pollutant emissions and supply companies with a certain number of tradable emissions allowances to provide economic incentives to reach that cap at the lowest possible costs aimed at reducing emission of greenhouse gases (GHG) between 2012-2050. Hearing on Apr. 21 was held to receive opening statements from Committee members.
1502	4/22/09	Global Climate Change: U.S. Leadership for a New Global Agreement	US0057298-US0057383	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine U.S. and international efforts to address global climate change, in light of international climate change conference scheduled to be held in Copenhagen, Denmark in Dec. 2009.
1503	5/6/09	Hearing To Review the Impact of the Indirect Land Use and Renewable Biomass Provisions in the Renewable Fuel Standard	US0057384-US0057787	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Conservation, Credit, Energy, and Research to review impact of indirect land use and renewable biomass provisions in new renewable fuel standard (RFS) required by the Energy Independence and Security Act (EISA) of 2007.
1504	5/7/09	Auctioning Under Cap and Trade: Auctioning Under Cap and Trade: Design, Participation, and Distribution of Revenues	US0057788-US0057948	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential use of auctions to allocate emissions allowances under a proposed cap-and-trade program to reduce greenhouse gas emissions, in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs. Auctioning has the potential to generate billions of dollars in revenue, which can be used to invest in technology and renewable energy, provide tax cuts for low- and middle-income households, and reduce overall program cost.
1505	5/19/09	Pathways to a "Green" Global Economic Recovery	US0057949-US0057992	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine economic opportunities related to global climate change mitigation policies, in light of current economic downturn.

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1506	5/19/09	Business Opportunities and Climate Policy	US0057993-US0058129	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential business opportunities resulting from clean energy policy and other efforts to address global climate change. Some suggest that addressing global climate change offers an opportunity to reinvent U.S. industry, and that a Federal climate program has the potential to create real economic growth by providing the certainty companies need to increase their investment and accelerate the development and deployment of low carbon solutions. They also claim that this can be done in a profitable manner that provides good jobs for U.S. workers.
1507	6/3/09	Hearing To Review the Future of Our Nation's Forests	US0058130-US0058273	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Department Operations, Oversight, Nutrition, and Forestry to examine status and importance of public and private forests, and to review Federal policies and proposals to manage forests and promote forest health.
1508	6/4/09	Challenges and Opportunities for U.S.-China Cooperation on Climate Change	US0058274-US0058327	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Chinese global climate change mitigation policies, and to review opportunities for U.S.-China bilateral energy relationship to achieve necessary global emissions reductions.
1509	6/9/09	Allowance Allocation Policies in Climate Legislation: Assisting Consumers, Investing in a Clean Energy Future, and Adapting to Climate Change	US0058328-US0058565	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to examine potential impact on consumers and the economy of carbon dioxide (CO2) emission allowance allocations included in Housed-passed H.R. 2454, the American Clean Energy and Security Act of 2009, to establish a cap-and-trade program, in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs (Subcommittee memo, p. 4-11). Proposed cap-and-trade system responds to problem of global climate change caused by CO2 and other greenhouse gas (GHG) emissions. Under H.R. 2454, emissions allowance revenues would be used to support programs to lower consumer energy costs, invest in clean energy technology, and assist trade-exposed industries transition to a clean energy economy.

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1510	6/11/09	Hearing To Review Pending Climate Legislation	US0058566-US0058832	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine impact on agricultural sector of H.R. 2454, the American Clean Energy and Security Act of 2009, to promote renewable energy sources use and energy efficiency measures across all economic sectors, to place limits on emissions of heat-trapping pollutants, and to protect U.S. consumers and industry and promote green jobs during transition to clean energy economy, including provision to require EPA to establish two cap-and-trade programs that set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs aimed at reducing emission of greenhouse gases (GHGs) between 2012-2050.
1511	6/11/09	The Fiscal Year 2010 Budget for the National Oceanic and Atmospheric Administration	US0058833-US0058914	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard to review FY2010 budget request for NOAA programs.
1512	6/16/09	Climate Change Legislation: Tax Considerations	US0058915-US0058970	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine options for tax law treatment of proposed cap-and-trade emission allowances. Cap-and-trade program proposals set a mandatory cap on air pollutant emissions and supply companies with a certain number of emissions allowances to provide economic incentives to reduce carbon dioxide emissions and mitigate global climate change. The allowances can be bought or sold or reserved for future use.
1513	6/23/09	Impacts of Climate Change on the Chesapeake Bay	US0058971-US0059056	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Edgewater, Md., before the Subcommittee on Insular Affairs, Oceans, and Wildlife and the Subcommittee on National Parks, Forests, and Public Lands to examine impact of global climate change on the Chesapeake Bay and surrounding communities, and to review strategies to protect Chesapeake Bay from climate change adverse effects.
1514	7/7/09	Moving America Toward a Clean Energy Economy and Reducing Global Warming Pollution: Legislative Tools	US0059057-US0059363	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider H.R. 2454 (text excerpt, p. 299-301), the American Clean Energy and Security Act of 2009, to promote renewable energy sources use and energy efficiency measures across all economic sectors, to place limits on emissions of heat-trapping pollutants, and to protect U.S. consumers and industry and promote green jobs during transition to clean energy economy.
1515	7/8/09	Industrial Competitiveness Under Climate Policies: Lessons from Europe	US0059364-US0059404	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on European Affairs to examine industrial competitiveness under European Union (EU) Emissions Trading Scheme (ETS), a cap-and-trade system established to enable the EU to achieve its obligation under the Kyoto Protocol for global reduction of greenhouse gas emissions, in light of pending legislation to establish a U.S. cap-and-trade program.

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1516	7/8/09	Climate Change Legislation: International Trade Considerations	US0059405-US0059462	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential international trade implications surrounding global climate change legislation, focusing on key challenges and options associated with estimating industry effects from climate change measures.
1517	7/14/09	Economic Opportunities for Agriculture, Forestry Communities, and Others in Reducing Global Warming Pollution	US0059463-US0059656	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential impact on agriculture and forestry sectors of Federal initiatives to reduce greenhouse gas (GHG) emissions to mitigate global climate change. Also considers H. R. 2454, the American Clean Energy and Security Act of 2009, to require EPA to establish two cap-and-trade programs that set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs aimed at reducing emission of GHGs between 2012-2050.
1518	7/14/09	Transportation's Role in Climate Change and Reducing Greenhouse Gases	US0059657-US0059818	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine transportation role to reduce greenhouse gas (GHG) emissions and address climate change. Transportation accounts for around 30 percent of GHG emissions in the U.S. It is one of the fastest growing sources of GHG emissions.
1519	7/16/09	Ensuring and Enhancing U.S. Competitiveness While Moving Toward a Clean Energy Economy	US0059819-US0060081	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine energy and climate policies and initiatives to promote renewable energy development and energy efficiency, and to review efforts to promote clean energy job creation while maintaining U.S. competitiveness. In recent years there has been a worldwide, rapid transition toward cleaner and more efficient technologies. This change has created millions of jobs and opened up possibilities for innovation and economic growth. That transition has been partly fueled by the recognition that cleaner energy could become the dominant job-creating industry in the 21st century, and the companies and countries that move quickly to seize these opportunities will benefit in the global economy.
1520	7/21/09	Climate Change and Global Security: Challenges, Threats, and Diplomatic Opportunities	US0060082-US0060132	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential global climate change threats to national security.

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1521	7/21/09	Clean Energy Jobs, Climate-Related Policies and Economic Growth: State and Local Views	US0060133-US0060514	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Green Jobs and the New Economy to examine State and local perspectives on clean energy jobs, climate-related policies, and economic growth. Policies that provide incentives for clean energy will create jobs and will increase U.S. energy efficiency. In the long run, it will save families and businesses money and energy costs, and it will drive technological innovation.
1522	7/22/09	The Role of Agriculture and Forestry in Global Warming Legislation	US0060515-US0060814	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential impact on agricultural and forestry sectors of proposals to mitigate global climate change by establishing a cap-and-trade program, in which policymakers set a mandatory cap on greenhouse gas emissions and provide companies with economic incentives to reach that cap at the lowest possible costs. Also reviews proposed agriculture offsets, which are measurable reductions or sequestration of greenhouse gas emissions from agriculture and forestry sources. Recently proposed legislation to promote alternative energy development and reduce greenhouse gas emissions has raised concerns about projected costs to farmers and forest owners.
1523	7/29/09	Climate for Innovation: Technology and Intellectual Property in Global Climate Solutions	US0060815-US0060924	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine intellectual property rights (IPR) role in development and deployment of clean technologies to mitigate global climate change. Prior to international climate change conference scheduled to be held in Copenhagen, Denmark, Congressional discussions address challenges of clean technologies deployment and IPR protections.
1524	7/30/09	Climate Services: Solutions from Commerce to Communities	US0060925-US0060974	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Federal interagency efforts to coordinate global climate change research, including climate services initiatives to improve dissemination of global climate change information and research data at Federal, State, and local levels. Global climate change information and research data need to be accessible to decision-makers at all levels to facilitate effective global climate change mitigation.
1525	7/30/09	Climate Change and National Security	US0060975-US0061118	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine relationship between global climate change and national security. For many years, the world's experts on security have claimed that global warming is a threat to U.S. security and a danger to peace and stability around the world. A 2007 report conducted by the CNA found that the U.S. could more frequently be drawn into situations of conflict due to global warming to help provide stability before conditions worsen and are exploited by extremists.

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1526	8/4/09	Climate Change Legislation: Allowance and Revenue Distribution	US0061119-US0061284	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine methods of distributing emission allowances and revenues from a cap-and-trade program to limit greenhouse gas emissions. Also considers H.R. 2454, the American Clean Energy and Security Act of 2009, to promote renewable energy sources use and energy efficiency measures across all economic sectors, including provision to require EPA to establish two cap-and-trade programs that set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs aimed at reducing emission of greenhouse gases between 2012-2050.
1527	8/6/09	Climate Change and Ensuring That America Leads the Clean Energy Transformation	US0061285-US0061432	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review options for Federal policies and programs to promote adaptation to and preparation for effects of global climate change, and to examine efficacy of House-passed H.R. 2454, the American Clean Energy and Security Act, to establish a cap-and-trade program, in which policymakers set a mandatory cap on emissions of carbon dioxide (CO2) and provide companies with economic incentives to reach that cap at the lowest possible costs. A recent DOE co-sponsored McKinsey and Co. report identifies potential efficiency opportunities available today that could reduce fossil fuel CO2 emissions in the year 2020 by more than 10 percent below 2005 levels while yielding up to \$700 billion in net lifecycle savings to the economy. Under H.R. 2454, emissions allowance revenues would be used to support programs to lower consumer energy costs, invest in clean energy technology, and assist trade-exposed industries transition to a clean energy economy.
1528	10/22/09	Building U.S. Resilience to Global Warming Impacts	US0061433-US0061498	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine strategies to develop U.S. resilience and decrease vulnerability to impacts of global warming.

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1529	10/29/09	Fraudulent Letters Opposing Clean Energy Legislation	US0061499-US0061584	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine fraudulent letters sent to Congress in an attempt to influence the vote on H.R. 2454, the American Clean Energy and Security Act of 2009, also known as the Waxman-Markey bill, to promote renewable energy sources use and energy efficiency measures. In June 2009, the American Coalition for Clean Coal Electricity (ACCCE) directed its public relations firm, the Hawthorn Group, to manufacture a grassroots campaign questioning H.R. 2454. Hawthorn turned to Bonner and Associates, a firm with experience generating letters to support shadow lobbying efforts, and a temporary Bonner and Associates employee forged letters seeking changes to H.R. 2454, which were sent to certain Congressmen. The example of fraudulent letters contributes to concerns about politically motivated public relations campaigns that try to create the impression of spontaneous grassroots engagement, also known as "astroturfing."
1530	9/9/09	Global Warming Legislation: Carbon Markets and Producer Groups	US0061585-US0061820	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine market regulation issues related to H.R. 2454, the American Clean Energy and Security Act of 2009, to establish a cap-and-trade program, in which policymakers set a mandatory cap on carbon dioxide and other greenhouse gas emissions and supply companies with a certain number of tradable emissions permits to provide economic incentives to reduce emissions and mitigate global climate change, and to review potential implications of proposed cap-and-trade system on agriculture industry. Proposed cap-and-trade system responds to problem of global climate change caused by carbon dioxide and other greenhouse gas emissions. The concentration of carbon dioxide in the atmosphere has increased by about 50 percent over the last 150 years causing increase in average global temperatures.
1531	10/15/09	Drought, Flooding and Refugees: Addressing the Impacts of Climate Change in the World's Most Vulnerable Nations	US0061821-US0061884	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on International Development and Foreign Assistance, Economic Affairs and International Environmental Protection to examine current and projected effects of global climate change on developing countries, and to review U.S. climate policy options. Recently introduced legislation proposes to establish funds to provide resources for nations most vulnerable to climate change effects.
1532	10/28/09	Legislative Hearing on S. 1733, Clean Energy Jobs and American Power Act	US0061885-US0063112	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 1733, the Clean Energy Jobs and American Power Act, to amend the Clean Air Act to promote renewable energy sources use and energy efficiency measures across all economic sectors, to place limits on emissions of heat-trapping pollutants, and to protect U.S. consumers and industry and promote green jobs during transition to a clean energy economy.

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1533	10/29/09	Legislative Hearing on S. 1733, Clean Energy Jobs and American Power Act	US0063113-US0063903	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 1733, the Clean Energy Jobs and American Power Act, to amend the Clean Air Act to promote renewable energy sources use and energy efficiency measures across all economic sectors, to place limits on emissions of heat-trapping pollutants, and to protect U.S. consumers and industry and promote green jobs during transition to a clean energy economy.
1534	10/27/09	Legislative Hearing on S. 1733, Clean Energy Jobs and American Power Act	US0063904-US0064272	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 1733, the Clean Energy Jobs and American Power Act, to amend the Clean Air Act to promote renewable energy sources use and energy efficiency measures across all economic sectors, to place limits on emissions of heat-trapping pollutants, and to protect U.S. consumers and industry and promote green jobs during transition to a clean energy economy.
1535	11/4/09	The Future of Ocean Governance: Building our National Ocean Policy	US0064273-US0064378	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard to examine findings and recommendations of Administration Interagency Ocean Policy Task Force Sept. 17, 2009, interim report on development and implementation of a national ocean policy. Oceans face major threats from climate change and ocean acidification. Since the start of the industrial revolution, 200 years ago, humans have released more than 1.5 trillion tons of carbon dioxide into the atmosphere. And one-third of those emissions, more than half a trillion tons, have been absorbed by the oceans.
1536	11/5/09	Geoengineering: Parts I, II, and III	US0064379-US0064768	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings to examine research related to and benefits and risks of geoengineering, also known as climate engineering, to address global climate change problem, including carbon dioxide removal (CDR) and solar radiation management (SRM) technologies. Hearing on Feb. 4 was held before the Subcommittee on Energy and Environment. Geoengineering is the deliberate large-scale modification of the earth's climate systems for the purposes of counteracting global climate change.
1537	11/10/09	Climate Change Legislation: Considerations for Future Jobs	US0064769-US0065043	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine potential implications of global climate change mitigation proposals on employment and the economy, including proposal to establish cap-and-trade programs to reduce greenhouse gas emissions in which policymakers set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs. Climate change legislation may create jobs in certain energy sectors, but cause job losses in others. There are differing views on the potential impact climate change mitigation proposals may have on the economy.

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1538	12/2/09	Hearing To Review the Potential Economic Impacts of Climate Change on the Farm Sector	US0065044-US0065315	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Conservation, Credit, Energy, and Research to examine potential impact on agricultural sector of Federal initiatives to reduce greenhouse gas (GHGs) emissions to mitigate global climate change. Also considers H.R. 2454, the American Clean Energy and Security Act of 2009, to require EPA to establish two cap-and-trade programs that set a mandatory cap on air pollutant emissions and provide companies with economic incentives to reach that cap at the lowest possible costs aimed at reducing emission of GHGs between 2012-2050.
1539	12/3/09	Hearing To Review the Costs and Benefits of Agriculture Offsets	US0065316-US0065440	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Conservation, Credit, Energy, and Research to examine pros and cons of agriculture offsets, which are measurable reductions or sequestration of greenhouse gas (GHG) emissions from agriculture and forestry sources. Also considers H.R. 2454, the American Clean Energy and Security Act of 2009, to establish a cap-and-trade program, in which policymakers set a mandatory cap on emissions of carbon dioxide and provide companies with economic incentives to reach that cap at the lowest possible costs.
1540	2/9/10	Hearing on the Nominations of Arthur Elkins To Be Inspector General of the EPA; Earl Gohl To Be Federal CoChair of the Appalachian Regional Commission; Sanford Blitz To Be Federal Co-Chairperson of the Northern Border Regional Commission; and Marilyn A. Brown, Barbara S. Haskew, Neil G. McBride, and William B. Sansom To Be Members of the Board of Directors of the Tennessee Valley Authority	US0065441-US0065776	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider the following nominations: Arthur A. Elkins, Jr. (Assoc Gen Counsel, Gen Law Office, Office of Gen Counsel, EPA) to be Inspector General, Office of the Inspector General, EPA; Earl F. Gohl, Jr. (former Dep Sec, Pa Dept of Community Aff) to be Federal Co-Chair, Appalachian Regional Commission; Sanford Blitz (former Regional Administrator, SBA) to be Federal Co-Chair, Northern Border Regional Commission; Marilyn A. Brown (Prof, Energy Policy, School of Public Policy, Ga Inst of Technology) to be a Board Member; Barbara S. Haskew (Prof, Economics, Middle Tenn State Univ) to be a Board Member; Neil G. McBride (Gen Counsel, Legal Aid Soc of Middle Tenn and the Cumberlands) to be a Board Member; William B. Sansom (Bd Member, TVA) to be reappointed a Board Member.
1541	3/10/10	The Clean Energy Recovery: Creating Jobs, Building New Industries and Saving Money	US0065777-US0065860	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine economic recovery potential of clean energy investments, focusing on impact of the American Recovery and Reinvestment Act (ARRA) of 2009 grants to create green job opportunities and promote energy efficient industries. Congress passed ARRA during the recent economic downturn, and as a result two million people have jobs today that otherwise would not. This emergency legislation has not only helped the U.S. round the corner on the worst recession in generations, it has become the catalyst for reinvesting in America's future. Nowhere is this reinvestment more apparent than in clean energy, where ARRA targeted \$90 billion to jump start jobs in efficiency, wind, solar, advanced battery technology, and countless other critical industries.

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1542	3/16/10	Clearing the Smoke: Understanding the Impacts of Black Carbon Pollution	US0065861-US0065980	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine impact of black carbon on global climate change and public health, and to review policy options to reduce black carbon emissions. Black carbon, also known as soot, is generated by fossil- and bio-fuels combustion. Progress has been made to clean up black carbon in the atmosphere, but black carbon remains one of the leading contributors to climate change. Reduction of black carbon emissions could yield rapid benefits for public health and global climate.
1543	4/14/10	The Role of Coal in a New Energy Age	US0065981-US0066113	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine role of clean coal and related technologies to improve energy security and mitigate global climate change. Coal is the most abundant energy resource in the U.S. and it generates nearly half of the country's electricity. Emissions from coal power plants has dropped 40 percent since the 1970s despite the fact that coal use has tripled and the U.S. has nearly one-third of the world's coal total. There are safety concerns about use of coal, but new technologies are being developed to ensure mine safety.
1544	4/15/10	Combating Climate Change in Africa	US0066114-US0066208	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Africa and Global Health to examine global climate change impact in Africa, and to review response measures to address climate change problem, including U.S. climate change assistance to African countries. African countries are particularly vulnerable to the impacts of climate change. Recommendations have been made that cost-effective adaptation assistance should be targeted at the most vulnerable communities in Africa.
1545	5/6/10	The Foundation of Climate Science	US0066209-US0066391	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine foundations for and accuracy of climate science, and to review extent to which global climate change has been caused by human actions. The globe is warming dramatically compared with natural historical rates of change. Over the last 50 years, the rate of warming is nearly double that of the 100-year trend, and 14 of the 15 warmest years in the global surface instrumental temperature record have occurred since 1995. Significant advances in the scientific understanding of climate change make it clear that there has been a change in climate that goes beyond the range of natural variability.

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1546	5/20/10	Climate Science in the Political Arena	US0066392-US0066557	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine accuracy of climate science, in light of concerns about influence of politics on global climate change science data and research. Concerns have been raised that researchers are misusing Federal funds by distorting data and failing to produce objective analyses regarding global climate change. Recently, a University of Virginia professor was asked by the Virginia Attorney General to provide materials relating to five research grants as part of a civil fraud investigation into alleged climate science data manipulation. Some view the investigation as politically motivated and meant to intimidate the scientific community. Others feel that actions such as these are necessary to protect Federal funds and promote objective research and policy-making.
1547	7/27/10	Climate Change Finance: Providing Assistance for Vulnerable Countries	US0066558-US0066695	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Asia, the Pacific, and the Global Environment to examine benefits of foreign assistance funding for climate change adaptation and mitigation measures in developing countries, in context of 2010 Copenhagen Accord to UN Framework Convention on Climate Change. In Dec. 2010 in Copenhagen, President Obama, along with other developed country leaders, pledged to raise \$30 billion for "fast start" climate change adaptation and mitigation efforts for countries most in need.
1548	8/19/10	The Changing Arctic: Implications for Federal Resources and Local Communities	US0066696-US0066747	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Barrow, Alaska, to examine climate change in the Arctic and its impact on Alaskan native communities and resource development, particularly oil and gas exploration. Over the past two decades, Arctic ambient temperatures have warmed at twice the rate of any other region. This warming climate has led to rising sea levels and the migration of wildlife, threatening the traditional lifestyle of subsistence among coastal native communities.
1549	9/22/10	The Global Clean Energy Race	US0066748-US0066878	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine global clean energy technological developments, and to review U.S. investment in clean energy programs to improve competitiveness in global economy. Approximately \$26 trillion will need to be invested over the next two decades in order to meet global energy needs.
1550	11/17/10	A Rational Discussion of Climate Change: The Science, the Evidence, the Response	US0066879-US0067098	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Environment to examine factors contributing to and options to address global climate change, and to review global climate change research activities (Subcommittee witness list and hearing charter, p. 2-7). The U.S. is the biggest historical producer and second largest current producer of greenhouse gases. It is in U.S. interest to change its energy policies for reasons of economics, national security, and environmental and human health.

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1551	12/1/10	Not Going Away: America's Energy Security, Jobs and Climate Challenges	US0067099-US0067258	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Select Energy Independence and Global Warming Committee to examine challenges facing U.S. energy policies and national security relating to global climate change. The national and economic security threats posed by climate change, U.S. dependence on foreign oil, and lack of a comprehensive U.S. energy plan are key factors to the dialogue on strengthening the economy and environmental conservation initiatives.
1552	2/9/11	H.R. __, the Energy Tax Prevention Act of 2011	US0067259-US0067926	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to consider draft bill, the Energy Tax Prevention Act of 2011, to amend the Clean Air Act (CAA) to prohibit EPA from promulgating any regulation regarding greenhouse gas (GHG) emissions to address global climate change, with certain exceptions. Concerns have been raised about the legality and adverse impact of EPA efforts to regulate carbon dioxide and GHG emissions under the CAA. It has also been argued that the decision on whether to regulate GHG emissions lies within the purview of Congress and not EPA.
1553	3/8/11	Climate Science and EPA's Greenhouse Gas Regulations	US0067927-US0068369	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine scientific evidence regarding global temperature changes and relationship of climate change to human greenhouse gas (GHG) emissions, and to review potential impact of EPA regulations to reduce GHG emissions. Recent EPA proposals to curtail carbon emissions have drawn criticism from various individuals and groups. Objections include the potential negative economic and financial implications of new regulations, and disagreements over the accuracy of existing climate science models and skepticism over the role of manmade emissions in global warming trends. The Committee is considering legislative proposals on the matter, including H. R. 910, the Energy Tax Prevention Act of 2011, to amend the Clean Air Act to prohibit EPA from promulgating any regulation regarding GHG emissions to address global climate change, with certain exceptions.
1554	3/31/11	Climate Change: Examining the Processes Used to Create Science and Policy	US0068370-US0068681	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine processes used to generate key climate change science and information used to inform policy development and decisionmaking (Committee witness list and hearing charter, p. 2-6).

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1555	4/6/11	Assessing the Impact of Greenhouse Gas Regulations on Small Business	US0068682-US0068840	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Regulatory Affairs, Stimulus Oversight and Government Spending to examine economic impact of EPA greenhouse gas (GHG) emissions regulations under the Clean Air Act on small business, in light of concerns about Federal regulatory overreach. One recent study revealed that the annual regulatory cost to small businesses is nearly \$3,000 more per employee than the cost to larger firms, and that compliance with environmental regulations cost small businesses four times more than firms with more than 500 employees.
1556	4/13/11	Fiscal Year 2012 NOAA Budget Request and Oversight	US0068841-US0068931	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard to review FY2012 budget request for NOAA programs.
1557	5/11/11	EPA Mining Policies: Assault on Appalachian Jobs--Part II	US0068932-US0070012	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Continuation of hearings before the Subcommittee on Water Resources and Environment to examine EPA policies regulating surface coal mining activities in Appalachia, including EPA Jan. 2011 decision to revoke a dredge and fill permit under Clean Water Act (CWA) Section 404 that was previously issued in Jan. 2007 to the Mingo Logan Coal Co. for the Spruce mountaintop surface mine in Logan County, W.Va. (Subcommittee memo and witness list, p. vi-xiv). Reviews concerns about EPA issuance of draft and interim guidance, combined with EPA objection authority powers, in a way that changes how the CWA applies to surface mining and impedes the issuance of permits for surface mining operations in Appalachia. Fifty percent of the electric power generated in the U.S. comes from coal, and the Appalachian region supplies over one-third of the 1.1 billion tons of coal consumed domestically each year.
1558	5/25/11	U.N. Climate Talks and Power Politics: It's Not About the Temperature	US0070013-US0070079	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Oversight and Investigations to examine U.S. and international efforts to address global climate change, focusing on factors impacting and impeding UN climate change negotiations, including differing scientific views on the roots of global climate change and the often competing national interests of developed and developing countries.

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1559	6/22/11	Examining NOAA's Climate Service Proposal	US0070080-US0070174	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review FY2012 budget request for NOAA programs, focusing on proposal to establish Climate Service within NOAA to integrate existing NOAA climate offices and resources under a single entity (Committee witness list and hearing charter, p. 2-6). The Climate Service proposal would be the largest reorganization of NOAA since its establishment and would cost \$346 million in FY2012. The proposal responds to increasing demands for NOAA climate services and data.
1560	1/21/10	Clean Energy Research and Development	US0070175-US0070243	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine DOE efforts to invest in and improve clean energy to meet future energy needs and address global climate change.
1561	3/27/12	Oversight Hearing on EPA's Work with Other Federal Entities To Reduce Pollution and Improve Environmental Performance	US0070244-US0070378	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Green Jobs and the New Economy and the Subcommittee on Oversight to examine EPA collaboration with DOD agencies to mitigate global climate change and improve energy efficiency. DOD is the largest consumer of energy in the U.S., with a fuel bill for petroleum of over \$17 billion in 2011. Military investments in energy efficiency and sustainable energy are not just about reducing greenhouse gas emission but also about military strategy and force protection. DOD recently reported that over 3,000 soldiers or contractors have been killed in fuel supply convoys between 2003 and 2007 in Iraq and Afghanistan. The U.S. dependence on foreign oil is a threat to national defense and energy security, and initiatives to reduce global warming and improve energy efficiency can have positive outcomes for military operations.
1562	4/19/12	Sea Level Rise	US0070379-US0070461	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine impact of sea level rise on domestic energy and water infrastructure in coastal areas. About 5 million Americans now live in coastal areas that are less than 4 feet above sea level. Nearly 300 high value energy facilities stand on land below that level, including power plants, oil and gas refineries, and natural gas infrastructure. These energy assets are already vulnerable to extreme weather, but this infrastructure is even more at risk with the rise in sea level.
1563	6/19/12	The American Energy Initiative, Part 20: A Focus on EPA's Greenhouse Gas Regulations	US0070462-US0070670	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine potential effects on economic growth and global climate change of EPA greenhouse gas (GHG) regulations, including proposed regulation of carbon dioxide emissions for newly constructed power plants. The EPA has begun to impose GHG regulations under the Clean Air Act, but there are concerns about adverse impact of the new regulations on economic growth and job creation.

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1564	6/29/12	The American Energy Initiative, Part 22: EPA Greenhouse Gas Regulations	US0070671-US0070732	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine EPA greenhouse gas regulations and impact on the economy and jobs. There are concerns that the cost of any new, overly broad rules that regulate greenhouse gas will ultimately force American families to pay much more for goods and that some expansions planned by businesses will not take place, thus reducing the availability of new jobs.
1565	7/10/12	The American Energy Initiative, Part 23: A Focus on Alternative Fuels and Vehicles, Both the Challenges and the Opportunities	US0070733-US0070942	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine opportunities and challenges to develop and expand use of biofuels and other alternative fuel sources in transportation sector to meet energy demands, and to review Federal biofuel promotion efforts, including renewable fuel standard (RFS). Also considers H.R. 1687, the Open Fuel Standard Act of 2011, to require automakers to produce a certain percentage of vehicles capable of running on alternative fuel for each fleet of manufactured automobiles. Increases in oil prices and concerns about foreign oil dependency have made the development of alternative fuels and transportation options a key domestic energy policy priority.
1566	7/16/12	The American Energy Initiative, Part 25: EPA's Proposed Greenhouse Gas New Source Performance Standards for Utilities and the Impact This Regulation Will Have on Jobs	US0070943-US0071029	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Abingdon, Va., before the Subcommittee on Energy and Power to examine potential economic and employment impacts of EPA proposed greenhouse gas (GHG) new source performance standards for utilities. Since 2009, EPA has been advancing a number of major environmental regulations that significantly affect both existing and future coal plants. EPA's most recent major proposed rule impacting coal plants would establish new standards for power plants in an effort to limit GHG emissions. The proposed rule combines both coal-fired and natural gas-fired power plants into a single newly created source category and sets a single carbon dioxide (CO2) standard. There is concern that future coal-fired power plants will be unable to meet the proposed CO2 standard without the installation of carbon capture and storage technology.
1567	8/1/12	Update on the Latest Climate Change Science and Local Adaptation Measures	US0071030-US0071297	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine status of climate change science, and to review State and local efforts to address environmental and public health implications of global warming. While many experts believe that global climate changes are beyond the norm and are likely caused by human activity, there is some debate among scientists. Some have voiced concerns that climate science appears to be based on exaggerations, personal agendas, and questionable predictions rather than on the scientific method.

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1568	8/17/12	Impacts of Climate Change on the Intermountain West	US0071298-US0071350	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Santa Fe, N.Mex., to address impact of climate change on Intermountain West, including increased wildfires, widespread damage to ecosystems, and potential for greater drought conditions. Wildfires have always been part of life in the Intermountain West, but many scientists assert that some of the conditions contributing to the severity of this year's fire season, including drought accompanied by above average temperatures, are common because of human induced climate change. The National Research Council has examined historical wildfire data as part of its America's Climate Choices report, which claimed that climate change has likely contributed to a significant increase in big forest fires in the West.
1569	9/12/12	The Nuclear Waste Administration Act	US0071351-US0071437	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 3469, the Nuclear Waste Administration Act, to amend the Atomic Energy Act of 1954 to establish the Nuclear Waste Administration to provide for permanent disposal of nuclear waste, and to ensure adequate funding for nuclear waste management activities. Nuclear energy could play an important role in future efforts to address U.S. energy security vulnerabilities and the threat of global warming, as it produces little carbon dioxide or conventional air pollutants, and also avoids undue economic dependence on foreign entities and regimes.
1570	9/13/13	Extreme Weather in Alaska: State and Federal Response to imminent Disasters in the Arctic	US0071438-US0071566	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Anchorage, Alaska, before the Subcommittee on Emergency Management, Intergovernmental Relations, and the District of Columbia to examine impact of extreme weather and disasters on Alaskan Native villages, and to review Federal and State long-term strategies for mitigating risk associated with climate change. Recently, various agencies and organizations have identified 31 immediately threatened Alaskan Native villages at risk to extreme weather and disasters. According to GAO, at least 12 of the 31 villages have decided to relocate in part or entirely, or to at least begin to explore relocation options. The villages at greatest risk would have to move on a tighter timeframe since they continue to suffer flooding and erosion and have limited evacuation options should their situation worsen.

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1571	9/20/12	The American Energy Initiative, Part 29: A Focus on H.R. 6172	US0071567-US0071771	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine EPA proposed greenhouse gas (GHG) new source performance standards for power plants, which require new coal-fired power plants to install expensive carbon capture and storage (CCS) technology that is not yet commercially viable. Also considers H.R. 6172 (text, p. 4-6), to prohibit EPA from finalizing any rule imposing GHG emissions standards for power plants unless and until CCS is proven to be technologically and economically feasible. EPA's most recent major proposed rule impacting coal plants would establish new standards for power plants in an effort to limit GHG emissions. The proposed rule combines both coal-fired and natural gas-fired power plants into a single newly created source category and sets a single carbon dioxide (CO2) standard. There is concern that future coal-fired power plants will be unable to meet the proposed CO2 standard without the installation of CCS technology.
1572	4/25/13	Policy Relevant Climate Issues in Context	US0071772-US0071869	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Environment to examine scientific understanding of and issues surrounding global climate change (Subcommittee witness list and hearing charter, p. 2-6).
1573	6/6/13	H.R. 2231, Offshore Energy and Jobs Act Part 1 and 2	US0071870-US0071968	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearings before the Subcommittee on Energy and Mineral Resources to consider H.R. 2231, the Offshore Energy and Jobs Act, to amend the Outer Continental Shelf Lands Act to direct Department of Interior (DOI) to develop a new 5-year outer continental shelf (OCS) oil and natural gas leasing plan, to require DOI to conduct offshore oil and natural gas lease sales for certain areas of the OCS, and to limit DOI authority to determine locations of future OCS lease sales. There are concerns that the Administration offshore energy plan significantly restricts offshore energy development due to environmental concerns. Proponents of expanding energy development focus on energy security, economic, and employment benefits of oil and natural gas exploration.
1574	9/18/13	The Obama Administration's Climate Change Policies and Activities	US0071969-US0072211	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to review current and planned climate change activities by Federal agencies outlined in Obama Administration climate action plan. On June 25, 2013, the President released his climate action plan to reduce emissions of carbon dioxide and other greenhouse gases. The plan describes a variety of new or previously announced actions and spending involving agencies across the Federal Government.

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1575	10/29/13	EPA Power Plant Regulations: Is the Technology Ready?	US0072212-US0072415	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and the Subcommittee on Environment to examine technical and legal issues associated with new EPA proposed greenhouse gas new source performance standards (NSPS) for new coal-fired power plants, which are being considered by EPA under the Clean Air Act (CAA) (Subcom witness list and hearing charter, p. 2-7). It has been argued that EPA proposed NSPS can be achieved only through the application of carbon capture and storage (CCS) technology, which is not yet in operation in commercial scale power plants. Critics of EPA-proposed regulations have questioned legal precedent of mandating unproven technologies.
1576	12/11/13	A Factual Look at the Relationship Between Climate and Weather	US0072416-US0072533	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Environment to examine links between global climate change and extreme weather events, including hurricanes, tornadoes, droughts, and floods (Subcommittee witness list and hearing charter, p. 2-6). In the U.S., tornadoes, hurricanes, and droughts are examples of weather events that most often have the potential to become extreme. Links between extreme weather events and climate change are often cited after such weather events occur. In 1990, the Intergovernmental Panel on Climate Change released its first assessment report, which expressed the importance of climate change and the need for international cooperation in attributing specific severe weather events to climate change.
1577	1/16/14	Review of the President's Climate Action Plan	US0072534-US0073054	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine current and planned climate change activities by Federal agencies outlined in Obama Administration climate action plan. On June 25, 2013, the President released his climate action plan to reduce emissions of carbon dioxide and other greenhouse gases. The plan describes a variety of new or previously announced actions and spending involving agencies across the Federal Government.
1578	2/12/14	Extreme Weather Events: The Costs of Not Being Prepared	US0073055-US0073489	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine extreme weather events and related preparedness efforts, and to review long-term strategies for mitigating risk associated with climate change. According to the U.S. Global Change Research Program, extreme weather events have increased in frequency over the past 50 years and are expected to become even more common, intense, and costly. Natural disasters often carry severe consequences, such as fatalities and economic losses, but there is growing concern that they may also increasingly have the potential to overwhelm critical infrastructure and cause widespread disruption of essential services.

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1579	2/25/14	Natural Resource Adaptation: Protecting Ecosystems and Economies	US0073490-US0074043	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Oversight to examine impact of climate change and extreme weather events on wildlife and ecosystems, and to review efforts to increase climate change resilience of domestic infrastructure and economy. According to the U.S. Global Change Research Program, significant changes in the U.S. climate over the past 50 years have occurred with the potential to erode habitat quality and sustainability for fish and wildlife species, and in some cases cause abrupt changes to entire ecosystems. Climate change is now among the greatest challenges facing the conservation of native species, and it is contributing to dramatic changes in their breeding, migrating, and wintering habitats.
1580	3/12/14	Science of Capture and Storage: Understanding EPA's Carbon Rules	US0074044-US0074282	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Environment and the Subcommittee on Energy to examine need for and feasibility of EPA-proposed greenhouse gas new source performance standards (NSPS) for new coal and natural gas-fired power plants, which would require the large-scale application of carbon capture and storage (CCS) technology to reduce carbon dioxide (CO2) emissions (Subcommittee witness list and hearing charter, p. 2-9). There is currently no commercial-scale power plant using CCS technology in the U.S., and critics argue it should not be considered adequately demonstrated or viable technology for the purposes of EPA rulemaking. Proponents, however, contend that CCS technology works on a commercial scale but has not been utilized because, without regulatory requirements, there has simply been no incentive to do so.
1581	3/13/14	Keystone XL and the National Interest Determination	US0074283-US0074361	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine the proposed TransCanada Corp. Keystone XL oil pipeline, which would transport crude oil from Alberta, Canada, to refineries in the Gulf Coast, including national security interests associated with project approval. TransCanada Corp. initially submitted its request to build the 1,700 mile Keystone XL oil pipeline in 2008. More than five years later, TransCanada Corp. is still waiting for Federal approval to complete the pipeline. Two major areas of concern about the project are whether or not the pipeline can be built and operated safely and whether or not the pipeline's construction could contribute significantly to climate change.

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1582	4/16/14	Successes and Challenges of Meeting Sustainability Goals in Hawaii and the Pacific	US0074362-US0074419	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Honolulu, Hawaii before the Subcommittee on Water and Power to examine Hawaiian Pacific Islands long-term renewable energy resources and sustainability strategies, in light of global climate change impacts. The UN International Panel on Climate Change recently released a report on the need for all countries to begin reducing carbon pollution in order to mitigate the impacts of climate change. Hawaii is making progress towards environmental sustainability. The islands currently manage or must prepare for unique challenges, including projected water shortages, urbanization, high energy costs, loss of land due to sea level rise, and growing populations and control of invasive species that impact island ecosystems.
1583	4/22/14	Leading the Way: Adapting to South Florida's Changing Coastline	US0074420-US0074499	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in Miami Beach, Fla., before the Subcommittee on Science and Space to examine impact of global climate change on sea level rise, and to review implications for and efforts to mitigate impact of rising sea levels on southern Florida coastline. The Intergovernmental Panel on Climate Change has reported that over the period of 1901 to 2010 the global mean sea level rose by 0.19 meters. In 2012, a U.S. Geological Survey study concluded that sea levels along the east coast of the U.S. will rise three to four times faster than the global average over the next century. And the U.S. Army Corps of Engineers has projected that the water around Miami could rise up to 0.6 meters by 2060. Miami's geographic location and low-lying topography make it vulnerable to flooding, storm surge, and other climate change impacts.
1584	5/29/14	Examining the U.N. Intergovernmental Panel on Climate Change Process	US0074500-US0074641	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine UN Intergovernmental Panel on Climate Change (IPCC) structure and process to prepare reports on global climate change (Committee witness list and hearing charter, p. 2-7). Also examines White House National Climate Assessment 2014 report on climate change and policy in the U. S. The IPCC recently released three working group reports on climate science that focused on physical sciences, impacts and adaptation, and mitigation. Concerns have been raised about IPCC, including lack of transparency in author and study selection and inconsistent approaches to data quality and peer review.
1585	6/3/14	Farming, Fishing, Forestry and Hunting in an Era of Changing Climate	US0074642-US0074912	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Green Jobs and the New Economy to examine impact of global climate change on farming, fishing, forestry, and hunting. A recent National Climate Assessment report reflected how much of an impact global climate change is having in sectors that are critical to rural communities and their economies, such as farming, fishing, forestry, and hunting. Climate change is one of many challenges facing these sectors, but it is playing an increasingly important role in making existing challenges such as drought and disease even worse.

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1586	6/18/14	Climate Change: The Need To Act Now	US0074913-US0075220	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Clean Air and Nuclear Safety to examine Administration efforts to address global climate change. Recently, EPA used its authority under the Clean Air Act to propose carbon pollution standards for existing power plants. As proposed, the rule will reduce carbon pollution while providing as much as \$93 billion in public health and climate benefits per year by 2030. According to a recent poll, 70 percent of the public supports Federal standards to limit greenhouse gas pollution.
1587	6/25/14	Increasing Carbon Soil Sequestration on Public Lands	US0075221-US0075301	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Public Lands and Environmental Regulation to examine initiatives to enhance soil carbon sequestration on Federal public lands to help reduce greenhouse gas emissions and curb global climate change. Concerns have increased about the rapid buildup of carbon dioxide in the atmosphere and the potential implications for climate and the environment. However, agriculture can play a key role in solving some of these issues. Crops and other plants remove carbon dioxide from the atmosphere, and as they are harvested their residues and roots are sequestered in the soil where they can remain for long periods of time.

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1588	7/16/14	Legislative Hearing To Consider the Following Items: S. 571, Great Lakes Water Protection Act; S. 1153, Invasive Fish and Wildlife Prevention Act; S. 1175, Infrastructure Facilitation and Habitat Conservation Act of 2013; S. 1202, SAFE Act; S. 1232, Great Lakes Ecological and Economic Protection Act of 2013; H.R. 1300, To Amend the Fish and Wildlife Act of 1956 To Reauthorize the Volunteer Programs and Community Partnerships for the Benefit of National Wildlife Refuges, and for Other Purposes; S. 1381, Big Cats and Public Safety Protection Act; S. 1650, a Bill To Amend the Migratory Bird Treaty Act To Exempt Certain Alaska Native Articles from Prohibitions Against Sale of Items Containing Nonedible Migratory Bird Parts, and for Other Purposes; S. 2225, Smart Water Resource Management Conservation and Efficiency Act of 2014; S. 2530, a Bill To Amend Title 18, United States Code, To Prohibit the Importation or Exportation of Mussels of Certain Genus, and for Other Purposes; and S. 2560, United States Fish and Wildlife Service Resource Protection Act	US0075302-US0075453	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Wildlife and water resources misc bills; Hearing before the Subcommittee on Water and Wildlife to consider the following bills: S. 571, the Great Lakes Water Protection Act, to prohibit publicly-owned sewage treatment works from intentionally diverting waste streams to bypass treatment facilities that results in untreated or partially treated sewage or wastewater discharge into the Great Lakes, to require treatment facilities to provide immediate public notification of sewage discharges, and to increase civil penalties for Act violations occurring on or after Jan. 1, 2033. S. 1153, the Invasive Fish and Wildlife Prevention Act, to revise regulatory process for injurious wildlife to prevent introduction and establishment of nonnative wildlife and wild animal pathogens and parasites that would negatively affect the economy, environment, or human or animal species health, including provision to prevent importation or interstate transport of nonnative wildlife designated as injurious. S. 1175, the Infrastructure Facilitation and Habitat Conservation Act of 2013, to require the Department of Treasury to establish a program to provide loans and loan guarantees to enable eligible public entities to acquire interests in real property pursuant to habitat conservation plans approved by the Department of Interior under the Endangered Species Act of 1973. S. 1202, the Safeguarding America's Future and Environment Act, also known as the SAFE Act, to require the President to establish an interagency Natural Resources Climate Change Adaptation Panel to coordinate development and implementation of Mar. 2013 National Fish, Wildlife, and Plants Climate Adaptation Strategy to facilitate natural resources protection and conservation from extreme weather events and other conditions associated with climate change, and to direct the Department of Interior to establish the National Climate Change and Wildlife Science Center to assess and develop scientific information and strategies to address impacts of extreme weather and climate change on natural resources. S. 1232, the Great Lakes Ecological and Economic Protection Act of 2013, to amend the Federal Water Pollution Control Act, also known as the Clean Water Act, to institute various measures to protect and restore the Great Lakes, including provision to codify the Great Lakes Interagency Task Force to coordinate Great Lakes restoration activities among Federal agencies. H.R. 1300, to amend the Fish and Wildlife Act of 1956 to authorize FY2015-FY2017 appropriations for Fish and Wildlife Service volunteer and community partnership programs at national wildlife refuges. S. 1381, the Big Cats and Public Safety Protection Act, to amend the Lacey Act Amendments of 1981 to prohibit, except by authorized persons, the breeding or possessing of certain species of animals, including lions, tigers, leopards, cheetahs, jaguars, and cougars. S. 1650, to amend the Migratory Bird Treaty Act to exempt certain traditional Alaskan Native articles of handicraft or clothing from prohibitions against sale or trade of items containing nonedible migratory bird parts, including feathers. S. 2225, the Smart Water Resource Management Conservation and Efficiency Act of 2014, to direct DOE to establish and implement a smart water resource management pilot program to award grants to certain entities providing water, wastewater, or water reuse services to demonstrate innovative technology-based solutions that will increase the energy and water efficiency of water, wastewater, and water reuse systems, that

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1589	7/22/14	U.S. Security Implications of International Energy and Climate Policies and Issues	US0075454-US0075550	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on International Development and Foreign Assistance, Economic Affairs, International Environmental Protection, and Peace Corps to examine domestic and global security implications of international energy and climate policies. Many of the national security challenges currently facing the U.S. have energy and climate change components. The management of these issues can have direct implications for global energy markets and domestic economic growth and prosperity. The Pentagon's Quadrennial Defense Review, released in Mar. 2014, identifies climate change as a threat multiplier capable of exacerbating poverty, environmental degradation, political instability, and social tensions, all of which contribute to terrorist activity and other forms of violence.
1590	7/23/14	Oversight Hearing: EPA's Proposed Carbon Pollution Standards for Existing Power Plants	US0075551-US0075659	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine EPA proposed clean power plan to reduce carbon dioxide emissions from existing electric power plants to mitigate global climate change. Power plants are the largest source of carbon dioxide emissions in the U.S., accounting for nearly one-third of all domestic greenhouse gas emissions.
1591	7/29/14	Examining the Threats Posed by Climate Change	US0075660-US0075794	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Clean Air and Nuclear Safety to examine impact of climate change on communities and the economy, and to review policy options and initiatives to address climate change.
1592	7/30/14	EPA's Carbon Plan: Failure by Design	US0075795-US0076102	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine EPA approach to implementing technology-based standards under section 111 of the Clean Air Act (CAA) to meet EPA carbon dioxide (CO2) emission standards for fossil-fuel power plants, and to review technical challenges to implement EPA carbon plan and scientific methods employed by EPA to calculate specific carbon-reduction goal for each State (Committee witness list and hearing charter, p. 2-7). According to EPA, power plants are the largest source of carbon pollution and account for roughly one-third of all domestic greenhouse gas emissions in the U.S. Section 111 of CAA establishes a unique technology-based mechanism for controlling emissions from "stationary sources," such as power plants, and directs EPA to set standards based on the degree of emission limitation achievable through the application of the best system of emission reduction that the Administrator determines has been adequately demonstrated.

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1593	9/17/14	The Administration's Climate Plan: Failure by Design	US0076103-US0076230	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine role of science in Administration climate action plan (CAP), and to review EPA regulations to reduce greenhouse gas emissions and proposed rules for emissions from new, existing, and modified power plants (Committee witness list and hearing charter, p. 2-10). The CAP outlines various executive actions that the Administration plans to take to reduce carbon pollution in the U.S., prepare the U.S. for the impacts of climate change, and lead international efforts to combat climate change. EPA power plant regulation is the cornerstone of the CAP. According to EPA, power plants are the largest source of carbon pollution and account for roughly one-third of all domestic greenhouse gas emissions in the U.S.
1594	12/2/14	Legislative Hearing To Examine S. 2911, Super Pollutants Act of 2014	US0076231-US0076341	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to consider S. 2911, the Super Pollutants Act of 2014, to establish requirements for Federal agencies to evaluate, mitigate, reduce, and report on short-lived climate pollutant emissions, including black carbon, methane, and high global warming potential hydrofluorocarbons.
1595	3/4/15	Oversight Hearing: The President's Fiscal Year 2016 Budget Request for the U.S. Environmental Protection Agency	US0076342-US0076513	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review Administration FY2016 budget request for EPA programs.
1596	3/17/15	EPA's Proposed 111(d) Rule for Existing Power Plants: Legal and Cost Issues	US0076514-US0076717	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Energy and Power to examine EPA proposed clean power plan to reduce carbon dioxide emissions from existing electric power plants to mitigate global climate change, focusing on EPA legal authority and impact on States. Issued in June 2014, the proposed rule would establish emission guidelines for States to follow in developing plans to control carbon pollution from existing coal-fired power plants under Section 111(d) of the Clean Air Act. As proposed, the rule requires each State to reduce its overall carbon dioxide rate of emission from existing power plants to a State-specific level, with an interim target to be reached by 2020 and the final rate to be achieved by 2030.
1597	4/15/15	The President's U.N. Climate Pledge: Scientifically Justified or a New Tax on Americans?	US0076718-US0077063	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine scientific justification, environmental impact, and economic cost of Obama Administration Mar. 31, 2015, submission of its Intended Nationally Determined Contribution (INDC) to the UN Framework Convention on Climate Change (UNFCCC), which is the international body overseeing the issue of the Earth's changing atmosphere (Committee witness list and hearing charter, p. 2-6). The U.S. INDC commits the U.S. to reducing greenhouse gas emissions 26-28 percent below 2005 levels by 2025 and by 80 percent or more by 2050.

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1598	5/13/15	The Obama Administration's CEQ Recently Revised Draft Guidance for GHG Emissions and the Effects of Climate Change: Oversight Hearing	US0077064-US0077156	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Council on Environmental Quality (CEQ) recently revised draft guidance regarding Federal agencies requirements to consider effects of greenhouse gas (GHG) emissions and climate change in their environmental reviews of all proposed Federal actions conducted under the National Environmental Policy Act (NEPA) of 1969. The revised draft guidance requires Federal agencies to conduct a quantitative analysis of projected GHG emissions and to include the implications and possible impact of climate change on the environmental effects of a proposed action. It also directs agencies to include social cost of carbon and upstream, downstream, and cumulative impacts in GHG emissions analyses.
1599	7/8/15	Road to Paris: Examining the President's International Climate Agenda and implications for Domestic Environmental Policy	US0077157-US0077344	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine Administration policies and international agenda on global climate change, including climate action plan (CAP), and to review implications for U.S. environmental law, in light of upcoming UN Climate Change Conference in Paris, France, which intends to establish a global agreement to reduce greenhouse gas emissions. The CAP outlines various executive actions the Administration plans to implement to reduce carbon pollution in the U.S., prepare the U.S. for the impacts of climate change, and lead international efforts to combat climate change. The U.S. is pursuing policies that would, by 2025, set the level of U.S. carbon emissions at 28 percent of the carbon emissions recorded for 2005.
1600	6/23/15	The Impacts of EPA's Proposed Carbon Regulations on Energy Costs for American Businesses, Rural Communities and Families, and a Legislative Hearing on S. 1324	US0077345-US0077615	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Clean Air and Nuclear Safety to examine impacts on energy costs for U.S. businesses, individuals, and families of EPA proposed rule to regulate carbon pollution from existing power plants, which EPA refers to as the "clean power plan. Also briefly considers S. 1324, the Affordable Reliable Electricity Now Act of 2015, to prohibit EPA from issuing, implementing, or enforcing any proposed or final rule under the Clean Air Act that establishes performance standards for greenhouse gas (GHG) emissions from new, modified, reconstructed, and existing fossil fuel-fired electric power plants unless certain requirements are met, and to repeal certain EPA GHG emissions rules. Issued in June 2014, the proposed rule would establish emission guidelines for States to follow in developing plans to control carbon pollution from existing coal-fired and natural gas-fired power plants under Section 111(d) of the Clean Air Act. As proposed, the rule requires each State to reduce its overall carbon dioxide rate of emission from existing power plants to a State-specific level, with an interim target to be reached by 2020 and the final rate to be achieved by 2030.

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1601	7/8/15	Examining DHS's Misplaced Focus on Climate Change	US0077616-US0077667	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Oversight and Management Efficiency to examine DHS claim that climate change and resulting extreme weather can cause significant risks to national security. DHS has designated climate change as a major area of homeland security risk. However, some Congressmen dispute that climate change is an area within DHS authority.
1602	11/18/15	Examining the International Climate Negotiations	US0077668-US0077912	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine likely effects of international climate negotiations to be held under the auspices of the UN Framework Convention on Climate Change (UNFCCC) in Paris in Nov. 2015. The UNFCCC climate negotiations are intended to produce an agreement of some form that commits countries to reduce greenhouse gas emissions over certain time periods through "intended nationally determined contributions" (INDCs).
1603	12/1/15	Pitfalls of Unilateral Negotiations at the Paris Climate Change Conference	US0077913-US0078091	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to review status of environmental negotiations at the Nov. 30-Dec. 11, 2015, UN international climate change conference (COP 21) in Paris, and to examine related U.S. climate policies (Committee witness list and hearing charter, p. 2-4). The COP 21 objective is to achieve a legally binding agreement on greenhouse gas (GHG) emissions from every country. In Nov. 2014, the Administration announced the U.S. would reduce its economy-wide GHG emissions by up to 28 percent by 2025 compared to a 2005 baseline, and it reiterated this pledge to the international community through the "Intended Nationally Determined Contribution (INDC). So far, the Administration has not released an analysis on how it developed this pledge compared to other levels of commitment to reduce GHGs.
1604	12/8/15	Data or Dogma? Promoting Open Inquiry in the Debate over the Magnitude of Human Impact on Earth's Climate	US0078092-US0078287	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Space, Science, and Competitiveness to examine status of climate change science, in light of concerns about influence of politics on climate change science data and research and the impact of emissions from human activities on global warming. Critics of global warming contend that satellite data provides evidence refuting claims of climate change.

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1605	2/2/16	Paris Climate Promise: A Bad Deal for America	US0078288-US0078491	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine policy issues related to Administration pledge to reduce greenhouse gas emissions at UN Paris Climate Change Conference (COP 21) as part of international agreement to adopt measures to mitigate global climate change (Committee witness list and hearing charter, p. 2-4). The COP 21 objective was to achieve a legally binding agreement on greenhouse gas emissions from all nations of the world, and an agreement was reached at the conclusion of the conference in Dec. 2015. In Nov. 2014, the Administration announced the U. S. would reduce its economy-wide greenhouse gas emissions by up to 28 percent by 2025 compared to a 2005 baseline, and reiterated this pledge to the international community through the Intended Nationally Determined Contribution (INDC). So far, the Administration has not released an analysis on how it developed this pledge compared to other levels of commitment to reduce greenhouse gas emissions and has not submitted the UN international climate agreement to Congress for ratification.
1606	4/13/16	Examining the Role of Environmental Policies on Access to Energy and Economic Opportunity	US0078492-US0078572	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine impacts of Administration strategies to combat climate change. Those opposing the Administration's climate change policies claim the policies are eliminating energy jobs and reducing U.S. economic opportunities.
1607	6/9/16	Implications of the Supreme Court Stay of the Clean Power Plan	US0078573-US0078673	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine implications of Feb. 9, 2016, Supreme Court decision to stay implementation of EPA proposed rule to regulate carbon pollution from existing fossil fuel-fired power plants, which EPA refers to as the "clean power plan" (CPP). Issued in June 2014, the proposed rule would establish emission guidelines for States to follow in developing plans to control carbon pollution from existing coal-fired and natural gas-fired power plants under Section 111(d) of the Clean Air Act. As proposed, the rule requires each State to reduce its overall carbon dioxide rate of emission from existing power plants to a State-specific level, with an interim target to be reached by 2020 and the final rate to be achieved by 2030. The Supreme Court issued a stay putting the CPP and all associated deadlines on hold until the completion of judicial review.
1608	9/8/16	Asia's Growing Hunger for Energy: U.S. Policy and Supply Opportunities	US0078674-US0078728	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Asia and the Pacific to review energy resources development and changing energy market in Asia, and to examine opportunities to advance U.S. energy policy in Asia. It is predicted that Asian nations will consume more than half of the world's energy by 2035. The world's strongest growth in natural gas consumption is happening in Asia, and the U.S. is projected to become the world's third largest supplier of liquefied natural gas (LNG) within the next five years. Buyers in Asia have already contracted to purchase more than half of the U.S. supply of LNG.

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1609	3/29/17	Climate Science: Assumptions, Policy Implications, and the Scientific Method	US0081081-US0081575	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine scientific methods and processes used to generate key climate change science and information used to inform policy development and decisionmaking (Committee witness list and hearing charter, p. 2-3). While many experts believe that global climate changes are beyond the norm and are likely caused by human activity, there is some debate among scientists. Some have voiced concerns that climate science appears to be based on exaggerations, personal agendas, and questionable predictions rather than on the scientific method.
1610	4/10/17	Extreme Weather and Coastal Flooding: Extreme Weather and Coastal Flooding: What is Happening Now, What is the Future Risk, and What Can We Do About It?	US0081576-US0081636	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing in West Palm Beach, Fla., to examine impact of global climate change on sea level rise, and to review implications for and local efforts to mitigate impact of rising sea levels and flooding on southern Florida coastline. [Summary] In Miami Beach, Fla., tide-induced flooding has increased by more than 400 percent in the last decade, and sea level rise in southeast Florida has tripled since 2006. Sea level rise will create deeper waters near shore, causing higher waves and stronger storm surges, especially during hurricanes. This is especially concerning considering that 79 percent of Florida's economy is generated in coastal communities, and over \$130 billion in beach real estate is at risk.
1611	9/13/17	Building a 21st-Century Infrastructure for America: Economic Development Stakeholders' Perspectives	US0081637-US0081792	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Economic Development, Public Buildings, and Emergency Management to examine options for infrastructure development to support the economy and disaster resilience, and to review efforts to improve infrastructure planning to reduce impact of future disasters (Subcommittee memo and witness list, p. iv-vi).
1612	9/13/17	Expanding and Accelerating the Deployment and Use of Carbon Capture, Utilization, and Sequestration	US0081793-US0082003	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine deployment and use of carbon capture, utilization, and sequestration (CCUS) technologies to address global climate change concerns associated with coal use in energy generation. CCUS, also known as carbon capture, utilization, and storage, is a process for reducing greenhouse gas emissions by capturing and injecting underground the carbon dioxide (CO ₂) that is emitted through the combustion of fossil fuels. The global use of technologies to reduce the atmospheric release of CO ₂ emissions from coal power plants is increasing.
1613	10/4/17	Air Quality Impacts of Wildfires: Perspectives of Key Stakeholders	US0082004-US0082194	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Environment to examine air quality impacts of wildfires. According to a recent report, wildfire smoke can result in significant air quality impacts to public health, particularly for at-risk groups, and impacts safety and transportation through diminished visibility on roads and aviation corridors. While the composition of smoke can vary greatly and the compounds present in it can number in the thousands, particulate matter (PM) in smoke typically causes the greatest concern in regards to air quality. Short-term exposures by the public to PM in smoke from wildfires can affect the lungs and heart.

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1614	11/8/17	Geoengineering: Innovation, Research, Technology	US0082195-US0082310	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing before the Subcommittee on Environment and the Subcommittee on Energy to assess status of climate geoengineering technologies research in U.S. to address global climate change problem, including carbon dioxide removal (CDR) and solar radiation management (SRM) technologies (Subcommittee witness list and hearing charter, p. 2-3). Geoengineering is the deliberate large-scale modification of the earth's climate systems for the purposes of counteracting global climate change. Many of the concepts in this field deal with solar radiation management, or how to influence the effects of the sun on the earth. Geoengineering can also be used to manipulate different levels of gases in the atmosphere, such as carbon dioxide. These avenues of geoengineering research are still in the developmental stage, and while there are at least a few university programs looking into these concepts, Federal research is still limited.
1615	2/7/18	The Impact of Federal Environmental Regulations and Policies on American Farming and Ranching Communities	US0082311-US0082568	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine impact of Federal environmental regulations and policies on U.S. farming and ranching communities. Environmental regulations are often complex and sometimes ambiguous, creating uncertainty and concern among farmers and ranchers. Some believe that regulations are vague, overreaching, and unnecessarily burdensome, which increases costs and inhibits ability of farmers and ranchers to compete.
1616	5/16/18	Using Technology To Address Climate Change	US0082569-US0082720	Def. Congressional Hearing	No.	Yes. FRE 401, 402, 403 (Relevance, Cumulative), 801, 802 (Hearsay), 701 (Lack of personal knowledge), 702 (Improper expert opinion)	Hearing to examine policies to respond to climate change, focusing on role of technological developments to mitigate and adapt to changing environmental conditions (Committee witness list and hearing charter, p. 2-3). Although there are many uncertainties surrounding climate change, technological innovation can be an important factor to both climate change mitigation and adaptation strategies.