

(b) Penalties

Any person who violates this chapter or any regulation prescribed under this chapter shall be subject to the penalties and entitled to the privileges and immunities provided in the Federal Trade Commission Act as though all applicable terms and provisions of the Federal Trade Commission Act were incorporated in and made part of this chapter.

(c) Authority preserved

Nothing in this section shall be construed to limit the authority of the Commission under any other provision of law.

(Pub. L. 111-345, § 5, Dec. 29, 2010, 124 Stat. 3620.)

REFERENCES IN TEXT

The Federal Trade Commission Act, referred to in subsecs. (a) and (b), is act Sept. 26, 1914, ch. 311, 38 Stat. 717, which is classified generally to subchapter I (§41 et seq.) of chapter 2 of this title. For complete classification of this Act to the Code, see section 58 of this title and Tables.

§ 8405. Enforcement by State attorneys general**(a) Right of action**

Except as provided in subsection (e), the attorney general of a State, or other authorized State officer, alleging a violation of this chapter or any regulation issued under this chapter that affects or may affect such State or its residents may bring an action on behalf of the residents of the State in any United States district court for the district in which the defendant is found, resides, or transacts business, or wherever venue is proper under section 1391 of title 28, to obtain appropriate injunctive relief.

(b) Notice to Commission required

A State shall provide prior written notice to the Federal Trade Commission of any civil action under subsection (a) together with a copy of its complaint, except that if it is not feasible for the State to provide such prior notice, the State shall provide such notice immediately upon instituting such action.

(c) Intervention by the Commission

The Commission may intervene in such civil action and upon intervening—

- (1) be heard on all matters arising in such civil action; and
- (2) file petitions for appeal of a decision in such civil action.

(d) Construction

Nothing in this section shall be construed—

- (1) to prevent the attorney general of a State, or other authorized State officer, from exercising the powers conferred on the attorney general, or other authorized State officer, by the laws of such State; or
- (2) to prohibit the attorney general of a State, or other authorized State officer, from proceeding in State or Federal court on the basis of an alleged violation of any civil or criminal statute of that State.

(e) Limitation

No separate suit shall be brought under this section if, at the time the suit is brought, the same alleged violation is the subject of a pend-

ing action by the Federal Trade Commission or the United States under this chapter.

(Pub. L. 111-345, § 6, Dec. 29, 2010, 124 Stat. 3621.)

CHAPTER 111—WEATHER RESEARCH AND FORECASTING INNOVATION

Sec.
8501. Definitions.

SUBCHAPTER I—UNITED STATES WEATHER RESEARCH AND FORECASTING IMPROVEMENT

8511. Public safety priority.
8512. Weather research and forecasting innovation.
8513. Tornado warning improvement and extension program.
8514. Hurricane forecast improvement program.
8515. Weather research and development planning.
8516. Observing system planning.
8517. Observing System Simulation Experiments.
8518. Computing resource efficiency improvement and annual report.
8519. Authorization of appropriations.
8520. United States Weather Research Program.
8521. Weather and climate information in agriculture.

SUBCHAPTER II—WEATHER SATELLITE AND DATA INNOVATION

8531. National Oceanic and Atmospheric Administration satellite and data management.
8532. Commercial weather data.
8533. Unnecessary duplication.

SUBCHAPTER III—FEDERAL WEATHER COORDINATION

8541. Environmental Information Services Working Group.
8542. Interagency weather research and forecast innovation coordination.
8543. Office of Oceanic and Atmospheric Research and National Weather Service exchange program.
8544. Visiting fellows at National Weather Service.
8545. Warning coordination meteorologists at weather forecast offices of National Weather Service.
8546. National Oceanic and Atmospheric Administration Weather Ready All Hazards Award Program.
8547. Report on contract positions at National Weather Service.
8548. Weather enterprise outreach.
8549. Hurricane hunter aircraft.
8550. Improvements to Cooperative Observer Program of National Weather Service.

§ 8501. Definitions

In this chapter:

(1) Seasonal

The term “seasonal” means the time range between 3 months and 2 years.

(2) State

The term “State” means a State, a territory, or possession of the United States, including a Commonwealth, or the District of Columbia.

(3) Subseasonal

The term “subseasonal” means the time range between 2 weeks and 3 months.

(4) Under Secretary

The term “Under Secretary” means the Under Secretary of Commerce for Oceans and Atmosphere.

(5) Weather industry and weather enterprise

The terms “weather industry” and “weather enterprise” are interchangeable in this chapter, and include individuals and organizations from public, private, and academic sectors that contribute to the research, development, and production of weather forecast products, and primary consumers of these weather forecast products.

(Pub. L. 115–25, §2, Apr. 18, 2017, 131 Stat. 92.)

REFERENCES IN TEXT

This chapter, referred to in text, is Pub. L. 115–25, April 18, 2017, 131 Stat. 91, known as the Weather Research and Forecasting Innovation Act of 2017, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out below and Tables.

SHORT TITLE OF 2019 AMENDMENT

Pub. L. 115–423, §1, Jan. 7, 2019, 132 Stat. 5454, provided that: “This Act [enacting section 8550 of this title and section 4010 of Title 33, Navigation and Navigable Waters, amending sections 313d, 8512, 8518 to 8521, 8531, and 8532 of this title and sections 4001 to 4002 and 4009 of Title 33, enacting provisions set out as a note under section 4001 of Title 33, and amending provisions set out as a note under section 313d of this title] may be cited as the ‘National Integrated Drought Information System Reauthorization Act of 2018.’”

SHORT TITLE

Pub. L. 115–25, §1(a), Apr. 18, 2017, 131 Stat. 91, provided that: “This Act [enacting this chapter and sections 3206a and 3208 of Title 33, Navigation and Navigable Waters, amending sections 3201 to 3207 of Title 33, and enacting and repealing provisions set out as notes under section 3201 of Title 33] may be cited as the ‘Weather Research and Forecasting Innovation Act of 2017.’”

SUBCHAPTER I—UNITED STATES WEATHER RESEARCH AND FORECASTING IMPROVEMENT

§ 8511. Public safety priority

In conducting research, the Under Secretary shall prioritize improving weather data, modeling, computing, forecasting, and warnings for the protection of life and property and for the enhancement of the national economy.

(Pub. L. 115–25, title I, §101, Apr. 18, 2017, 131 Stat. 92.)

§ 8512. Weather research and forecasting innovation**(a) Program**

The Assistant Administrator for the Office of Oceanic and Atmospheric Research shall conduct a program to develop improved understanding of and forecast capabilities for atmospheric events and their impacts, placing priority on developing more accurate, timely, and effective warnings and forecasts of high impact weather events that endanger life and property.

(b) Program elements

The program described in subsection (a) shall focus on the following activities:

(1) Improving the fundamental understanding of weather consistent with section 8511 of this title, including the boundary layer and

other processes affecting high impact weather events.

(2) Improving the understanding of how the public receives, interprets, and responds to warnings and forecasts of high impact weather events that endanger life and property.

(3) Research and development, and transfer of knowledge, technologies, and applications to the National Weather Service and other appropriate agencies and entities, including the United States weather industry and academic partners, related to—

(A) advanced radar, radar networking technologies, and other ground-based technologies, including those emphasizing rapid, fine-scale sensing of the boundary layer and lower troposphere, and the use of innovative, dual-polarization, phased-array technologies;

(B) aerial weather observing systems;

(C) high performance computing and information technology and wireless communication networks;

(D) advanced numerical weather prediction systems and forecasting tools and techniques that improve the forecasting of timing, track, intensity, and severity of high impact weather, including through—

(i) the development of more effective mesoscale models;

(ii) more effective use of existing, and the development of new, regional and national cloud-resolving models;

(iii) enhanced global weather models; and

(iv) integrated assessment models;

(E) quantitative assessment tools for measuring the impact and value of data and observing systems, including Observing System Simulation Experiments (as described in section 8517 of this title), Observing System Experiments, and Analyses of Alternatives;

(F) atmospheric chemistry and interactions essential to accurately characterizing atmospheric composition and predicting meteorological processes, including cloud microphysical, precipitation, and atmospheric electrification processes, to more effectively understand their role in severe weather; and

(G) additional sources of weather data and information, including commercial observing systems.

(4)¹ A technology transfer initiative, carried out jointly and in coordination with the Director of the National Weather Service, and in cooperation with the United States weather industry and academic partners, to ensure continuous development and transition of the latest scientific and technological advances into operations of the National Weather Service and to establish a process to sunset outdated and expensive operational methods and tools to enable cost-effective transfer of new methods and tools into operations.

(4)¹ Advancing weather modeling skill, reclaiming and maintaining international lead-

¹ So in original. Two pars. (4) have been enacted.