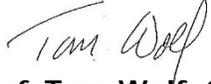


Executive Order

Commonwealth of Pennsylvania
Governor's Office

Subject:
Commonwealth Leadership in Addressing
Climate Change and Promoting Energy
Conservation and Sustainable Governance

Number:
2019-01


By Direction of: Tom Wolf, Governor

Date: January 8, 2019

WHEREAS, the Constitution of Pennsylvania protects the Commonwealth's citizens' rights to life, liberty, possessing and protecting property, and happiness. Further, the Constitution of Pennsylvania and various other laws also preserve the Commonwealth's citizens' right to clean air, pure water, and the preservation of the natural, scenic, historic and aesthetic values of the environment; and

WHEREAS, the Commonwealth government has long protected, valued, and recognized these rights, specifically under *Executive Orders: 1973-9 Environmental Protection by State Agencies; 1980-3 Life Cycle Costing; 1998-1 Governor's Green Government Council; 2002-8 Governor's Interagency Task Force on Energy; and 2004-12 Energy Management and Conservation in Commonwealth Facilities*; and

WHEREAS, climate change impacts in Pennsylvania are real and continue to put Pennsylvanians at risk: in recent years, extreme weather and natural disasters have become more frequent and more intense. Like many areas of the United States, Pennsylvania is expected to experience higher temperatures, changes in precipitation, and more frequent extreme weather events and flooding because of climate change in the coming decades; and

WHEREAS, the Commonwealth is committed to further reducing its net greenhouse gas emissions which, left unchecked, would create a high risk of irreversible, widespread, severe climate impacts in the Commonwealth and beyond; and

WHEREAS, as a major energy provider, Pennsylvania can take steps to continue to reduce emissions in the power sector, increase reliance on clean energy and improved energy efficiency, and continue reductions of potent greenhouse gasses such as methane; and

WHEREAS, as a major transportation hub, Pennsylvania can take steps to increase reliance on low-carbon transportation solutions, and reduce emissions from the transportation fleet; and

WHEREAS, Pennsylvania's economy, health and safety, and quality of life of its citizens are dependent on the careful stewardship of resources, a healthy economy, and the development of technologies to enable economic growth while protecting the environment; and

WHEREAS, Pennsylvania has a robust clean energy sector that provides tens of thousands of good paying jobs in construction, manufacturing, clean technology, and services across the state; and a wealth of job-training programs to prepare workers for jobs in the energy efficiency and clean energy fields; and

WHEREAS, Commonwealth agencies can continue to demonstrate their commitment to both environmental and fiscal stewardship by implementing best practices to reduce energy and resource consumption, improve energy efficiency, realize cost savings, and protect the environment; and

WHEREAS, the Commonwealth is committed to joining and working with Pennsylvania businesses and industry to reduce emissions through pollution prevention and improved energy efficiency; and

WHEREAS, the Commonwealth is resolved to do its part to address climate change, the most critical environmental threat confronting the world.

NOW, THEREFORE, I, Tom Wolf, Governor of the Commonwealth of Pennsylvania, by virtue of the authority vested in me by the Constitution of the Commonwealth of Pennsylvania and other laws, do hereby reestablish the Governor's Green Government Council (hereinafter referred to as the "GreenGov Council"), and do order and direct as follows:

- 1. Climate Goal for the Commonwealth of Pennsylvania.** The Commonwealth shall strive to achieve a 26 percent reduction of net greenhouse gas emissions statewide by 2025 from 2005 levels, and an 80 percent reduction of net greenhouse gas emissions by 2050 from 2005 levels.
- 2. Performance Goals for State Agencies.**
 - a.** All agencies under the Governor's jurisdiction shall:
 - (1)** Collectively reduce overall energy consumption by 3 percent per year, and 21 percent by 2025 from 2017 levels.
 - (2)** Replace 25 percent of the state passenger car fleet with battery electric and plug-in electric hybrid cars by 2025 and evaluate opportunities for the reduction of vehicle miles traveled and incorporation of new technology where appropriate.
 - (3)** Procure renewable energy to offset at least 40 percent of the Commonwealth's annual electricity use and evaluate opportunities to source electricity through Pennsylvania Certified Tier I credits, and/or direct purchase of renewable power generation sited within Pennsylvania.

- (1) Develop policies to incorporate the strategies outlined in this Order to achieve the Commonwealth's Performance Goals.
- (2) Seek to implement new cost-effective conservation, sustainability, and efficiency strategies in order to achieve GreenGov certification. Complete and submit to the GreenGov Council a GreenGov Certification Checklist within six months of establishment of the certification program, and yearly thereafter.
- (3) Cooperate with the Department of General Services to track and analyze agency utility usage through Pennsylvania's utility bill management system.
- (4) Establish energy and other utility performance benchmarks for all Commonwealth-owned facilities over 20,000 square feet which are cooled or heated over which the agency has jurisdiction.
- (5) Designate an Agency Representative at the Deputy Secretary or equivalent level to attend meetings of the GreenGov Council and ensure compliance and implementation of the necessary activities and measures to achieve the Goals.
- (6) Evaluate opportunities and implement, where practical, renewable and clean energy resources, energy and resource conservation, and energy efficiency best practices at Commonwealth facilities.
- (7) Work collaboratively to conserve energy and promote sustainable resources and best energy and resource management practices.
- (8) Propose and support Guaranteed Energy Savings Act ("GESA") projects for recommendation to Department of General Services where cost-effective and appropriate.
- (9) Provide to the GreenGov Council, or Department of General Services, any requested information and data needed to implement the intent of this Order.
- (10) Contribute a proportional share of costs to support the GreenGov Council and the annual Commonwealth Comprehensive Energy and Utility Usage Report.

b. The Department of General Services shall:

- (1) Coordinate with all agencies to include green building, energy conservation, and energy efficiency practices as part of any new construction and renovation projects.
- (2) Work with all agencies to track and analyze agency utility bills through Pennsylvania's utility bill management system.
- (3) Provide agencies with access to current utility bill performance data.

- (4) Benchmark Commonwealth facilities' energy efficiency against federal and association standards.
- (5) Consider life cycle cost analysis in the selection of new energy sources, products, systems, and controls in conjunction with new construction and renovation projects.
- (6) Develop and implement programs to train appropriate personnel in benchmarking, energy conservation, and energy efficiency.
- (7) Pursue and facilitate the development of new GESA projects with all Commonwealth agencies.
- (8) Contract for an annual Commonwealth Comprehensive Energy and Utility Usage Report covering all Commonwealth agencies.
- (9) Research, recommend, and develop vehicle fleet sustainability practices and metrics consistent with leading fleet accreditation programs.

c. The Department of Environmental Protection shall:

- (1) Provide advice and assistance to the GreenGov Council and agencies in developing cost-effective conservation, sustainability, and efficiency strategies necessary to implement the requirements of this Order.
- (2) On an ongoing basis, develop and recommend additional no-cost and low-cost management and conservation measures which may be implemented by the Department of General Services and Commonwealth agencies.
- (3) Assist the Department of General Services in developing and implementing long-range management and conservation plan goals and options to be applied in Commonwealth facilities.

d. The Department of Conservation and Natural Resources shall:

- (1) Offer technical assistance and references on green building and site design, low-water landscaping, and related topics.
- (2) Provide demonstrations of its high-performance buildings and sites and alternative energy and transportation installations and operations.
- (3) Continue to invest in green building and sites projects on state parks and forest lands and in communities.

7. **Independent Agencies, State-Affiliated Entities, and State-Related Entities.** Independent agencies, state-affiliated entities, and state-related agencies are encouraged to participate in the goals and provisions of this Order.

8. **Effective Date.** This Executive Order shall take effect immediately and shall remain in effect until amended or rescinded by the Governor.

9. Rescission. Executive Orders 1998-1 and 2004-12 are hereby rescinded.