

# **Summary of the Shaheen-Portman Energy Savings and Industrial Competitiveness Act Reintroduction**

## **Title I: Buildings**

### **Subtitle A: Building Energy Codes**

#### *Section 101: Greater Energy Efficiency in Building Codes*

This section would amend the Energy Conservation and Production Act (ECPA) to direct the Department of Energy (DOE) to support development of national model building energy codes, state, Indian tribe and local adoption of the codes, and full compliance with the codes. The language requires greater transparency on the part of DOE in the code making process.

### **Subtitle B: Worker Training and Capacity Building**

#### *Section 111: Building Training and Assessment Centers*

Incorporated into Title X of the Energy Independence and Security Act of 2007, this section would direct DOE to establish Building Training and Assessment Centers at institutions of higher learning, modeled after DOE's Industrial Assessment Centers (IACs). These centers would identify and promote opportunities, concepts, and technologies for enhancing building energy and environmental performance; train engineers, architects, building scientists, building permitting and enforcement officials, and technicians; assist other institutions to train building technicians; promote research and development in building clean energy technologies and distributed generation; and coordinate services with technical training centers, community colleges, and other relevant offices and institutions. DOE is directed to avoid duplication, coordinate, and collocate Building Training and Assessment Centers, where practical, with IACs.

## **Title II: Private Commercial Building Efficiency Financing**

#### *Section 201: Private Commercial Building Efficiency Financing*

This section creates a private sector commercial buildings energy efficiency financing initiative that would operate through pre-existing State and Territory Energy Offices. States would be given the flexibility to tailor solutions to their local conditions and build off successes already being experienced in some states. The legislation would require states and territories receiving funding through the program to collect and share data resulting from program activities.

## **Title III: Industrial Efficiency and Competitiveness**

### **Subtitle A: Manufacturing Energy Efficiency**

#### *Section 301: Purposes*

This section sets forth the purposes of the Department of Energy's Advanced Manufacturing Office (AMO).

### *Section 302: Future of Industry Program*

The section would reauthorize DOE's existing industrial research and assessment centers (IACs). Each Center of Excellence would coordinate with and advise other IACs within its region to enhance technical assistance to manufacturing industries. The IACs would coordinate and partner with the Manufacturing Extension Partnership Centers of the National Institute of Standards and Technology, the DOE Building Technologies Program, and the DOE national laboratories, as well as partner with energy service providers. They would perform outreach to small- and medium-sized manufacturers and technology providers, and have an employee to coordinate with other federal and state efforts, utilities, energy service providers, regional energy efficiency organizations, and other regional centers.

This section would direct the Small Business Administration to expedite consideration of applications from eligible small businesses to implement recommendations of the IACs.

This section would establish an advisory steering committee that includes national trade associations who represent energy-intensive industries or energy service providers to provide recommendations on the DOE Industrial Technologies Program.

### *Section 303: Sustainable Manufacturing Initiative*

This section would establish a sustainable manufacturing initiative under the DOE Industrial Technologies Program to provide onsite technical assessments to manufacturers. The assessments would identify opportunities to maximize energy efficiency, prevent pollution and minimize waste, reduce the use of water in manufacturing processes, and conserve natural resources. The initiative would operate in coordination with the private sector and appropriate agencies, including the National Institute of Standards and Technology, to accelerate adoption of technologies or processes that improve energy efficiency. In addition, this section would create a joint industry-government partnership program as part of the DOE Industrial Technologies Program to research, develop, and demonstrate new sustainable manufacturing and industrial technologies and processes.

### *Section 304: Conforming Amendments*

Repeals unused DOE industrial efficiency authorizations.

## **Subtitle B: Supply Star**

### *Section 311: Supply Star*

This section would establish a Supply Star program within DOE to identify and promote practices, recognize companies, and recognize products that use highly efficient supply chains in a manner that conserves energy, water and other resources. In addition to promoting existing efficient supply chain practices, this section would collect and disseminate data on supply chain energy resource consumption, develop and disseminate metrics for evaluating supply chain energy resource use, and develop sector level guidance for improving supply chain efficiency. DOE would also be directed to work with industry and small business to improve supply chain efficiency through sharing best practices, providing benchmarking opportunities, and supporting professional training. The Supply Star program would coordinate efforts with the Energy Star program.

## **Subtitle C: Electric Motor Rebate Program**

### *Section 321: Energy Saving Motor Control Rebate Program*

This section would direct DOE to create an incentive for the purchase of new constant speed electric motor controls that reduce a motor's energy use by at least 5%. The rebate would be worth \$25 per horsepower of the motor.

## **Subtitle D: Transformer Rebate Program**

### *Section 331: Energy Efficient Transformer Rebate Program*

This section would direct DOE to create an incentive for the purchase of new energy efficient transformers by owners of commercial or multifamily residential buildings. Qualified transformers must meet or exceed the National Electrical Manufacturers Association (NEMA) Premium Efficiency designation, having 30 percent or fewer losses than NEMA's 2002 standard for a transformer with the same phases and capacity.

## **Subtitle E: Industrial Efficiency Finance**

### *Section 341: Industrial Efficiency Finance*

Text to be supplied later. Work in progress.

## **Title IV: Federal Agency Energy Efficiency**

### *Section 401: Adoption of Personal Computer Power Savings Techniques by Federal Agencies*

This section would require Federal agencies to develop a plan for using advanced tools that promote energy savings such as computer hardware, energy efficiency software, and power management tools, based on guidance from the Department of Energy. Agencies would submit a report to DOE containing both the plan for implementation and estimated energy and financial savings from the use of the advanced tools.

### *Section 402: Availability of Funds for Design Updates*

This section would allow the General Services Administration (GSA), for any project for which congressional approval has been received and the design has been completed but for which construction has not begun, to use appropriated funding to update the building's design to meet energy efficiency and other standards for new federal buildings. Funds used for this purpose could not exceed 125 percent of the estimated energy or other cost savings resulting from the design changes.

### *Section 403: Natural Gas and Electric Vehicle Infrastructure*

This section would amend NECPA to make measures to support the use of electric vehicles and natural gas vehicles or the fueling or charging infrastructure necessary for electric vehicles eligible for Energy Savings Performance Contracts (ESPCs).

### *Section 404: Federal Data Center Consolidation*

This section would require the Office of E-Government and Information Technology within the Office of Management and Budget to develop and publish a goal for the total planned annual costs savings by the Federal Government through data center consolidation.

## Title V: Miscellaneous

### *Section 501: Offsets*

### *Section 502: Budgetary Effects*

The budgetary effects of the bill under PAYGO regulations shall be determined by the latest statement on the bill.

### *Section 503: Advance Appropriations Required*

This section specifies that authorizations for appropriations shall be applicable only insofar as such sums are actually appropriated.