



MEMORANDUM

TO: Northeast Appliance Efficiency Standards Stakeholders
FROM: David Lis, Appliance Standards Project Manager, Northeast Energy Efficiency Partnerships
DATE: January 6, 2011
RE: Preview of 2011 Federal Appliance Standards Activity

2011 is expected to be another busy year at the U.S. Department of Energy's (DOE) Appliance and Commercial Equipment Standards Program in Washington D.C. In an effort to catch up on federal appliance standard updates, and begin the process of developing standards for a number of newly covered products, the DOE is prepared to redouble its activity. DOE's process to set and revise appliance standards involves numerous opportunities for stakeholders to provide input and direction. NEEP's Northeast Appliance Efficiency Standards Project participates in this public stakeholder process by bringing a Northeast perspective to a coalition of national efficiency organizations advocating for strong federal appliance standards. NEEP promotes positions that are shaped by the unique realities of our region, including the particular market, program or policy circumstances that exist. While minimum efficiency standards offer an intelligent strategy to achieve a number of positive benefits (significant energy and emission reductions while saving consumers money) for our states and the nation, we constantly strive to build as strong a coalition as possible to promote their powerful benefits. This is why your participation is so crucial – a diverse coalition greatly enhances the credibility and strength of our positions, improving our chances of affecting particular rulemakings.

Federal standards rulemakings are a multi-year process, consisting of a number of various stages; **Framework Document**, **Preliminary Technical Support Document**, **Notification of Proposed Rulemaking (NOPR)**, and ultimately, **Final Rule**¹. In an effort to expedite what had traditionally been a roughly three year process that included each of the various stages, DOE announced a number of procedural changes in November 2010. In appropriate cases, according to the DOE, we can expect to see preliminary information gathered less formally, and the public rulemaking process begin with the issuance of a proposed rule for public comment. Since these changes are relatively new, we will have to see how the Department determines "appropriate cases".

It has been our historical practice to participate in the multi-year rulemaking process through attending the DOE's public workshops, analyzing the materials developed by the DOE and offering a regional perspective through written comments, both technical and non-technical. Your input to, and support of, these comments have helped the project and region deliver a unified message to the DOE on a number of recent rulemaking stages, including residential water heaters (Final Rule), residential furnace fans (Framework), and residential furnaces (Rulemaking Analysis Plan). NEEP also took part in a negotiation between efficiency advocates and appliance manufacturers that led to consensus agreement on a number of products currently undergoing revisions.

In order to enable broader participation from Northeast appliance standards stakeholders, NEEP has prepared a rough schedule of federal rulemaking activity for 2011 (Appendix A) based on DOE's latest [Regulatory Agenda](#). This year's agenda includes a number new products that the Department is proposing to add to the program. By offering this list of products and the expected timeline to our partners at the state energy offices, advocacy organizations, utility/efficiency program sponsors and other stakeholders, we hope your organizations will be better able to incorporate the following rulemakings and associated responses into your 2011 planning. If there are certain rulemakings that you have particular interest in or may have technical expertise that you would be able to contribute,

¹ Implementation of efficiency standards usually follows the Final Rule by approximately three years.



please contact NEEP. More than ever, DOE has signaled an increased appetite for technical information and supporting data.

While Appendix A does not represent every rulemaking DOE plans to conduct in 2011, NEEP chose a group of products rulemakings that project the most savings and/or present unique opportunities for the states in our region. Refer to Appendix B for the associated projected energy savings.

Stakeholders should be aware that there are ongoing efforts, led by our national partners, to implement standards for several of the identified priority products through legislative means. The "Implementation of National Consensus Appliance Agreements Act" or INCAAA (S.3925) was a bill that was introduced in the fall and includes specific specification levels for a number of products, most of which are identical to levels agreed to through advocate-industry negotiations. If "INCAAA" or a similar reintroduced bill in the 2011 session of Congress were to pass, the DOE development process for those products would be rendered moot. NEEP supports this legislative effort.

Please contact David Lis at djlis@neep.org or 781-860-9177 X 127 for more information.

Appendix A) Anticipated Schedule for DOE's 2011 Rulemakings²

Appliance	Stage of Rulemaking ³ (DOE Due date)	NEEP's Anticipated Role	Expected date NEEP will solicit input/support
Residential Furnaces/Boilers ⁴	NOPR (January 2011)	May attend workshop/ Will submit comments (individual or joint) reiterating support for AHRI Agreement	Q1
	Final Rule (June 2011)		
Residential Central Air Conditioners/ Heat Pumps ⁵	NOPR (January 2010)	May attend workshop/ Will submit comments (individual or joint) reiterating support for AHRI Agreement	Q1
	Final Rule (June 2011)		
Battery Chargers/ External Power Supplies	NOPR (January 2011)	May attend workshop/ Will submit comments (individual or joint)	Q1

²For a more complete list of scheduled rulemakings, visit Appliance Standards Awareness Project's (ASAP) website - http://www.standardsasap.org/documents/DOE_Schedule_by_Product.pdf . For more detailed information about the rulemaking status of specific products, visit the DOE's Standards website - [Building Technologies Program: Appliances and Commercial Equipment Standards](#).

³ Dates in parentheses represent targeted due dates developed by DOE.

⁴ Residential air conditioners, heat pumps and furnaces were included as part of a negotiated agreement between efficiency advocates and the trade association AHRI in October 2009. It is possible those recommended standard levels will be adopted by DOE through a direct final rule or included in federal energy legislation before rulemaking is completed.

⁵ See footnote 3



	Final Rule (July 2011)		
Exempted BR/ER Reflector Lamps	NOPR (February 2011)	May attend workshop/ Will submit comments (individual or joint)	Q1
	Final Rule (August 2011)		
Set-top Boxes/ Digital Communication Equipment	Determination of Coverage (February 2011)	Will submit comments (individual or joint)	Q1
Computers (Including equipment and components)	Determination of Coverage (February 2011)	Will submit comments (individual or joint)	Q1
Clothes Dryers/ Room Air Conditioners ⁶	NOPR (March 2011)	Will submit comments (individual or joint) reiterating support for AHAM Agreement	Q1
	Final Rule (June 2011)		
Televisions	Framework Document (January 2011)*	Will attend workshop/ develop comments (individual or joint)	Q1-Q2
	Preliminary TSD (December 2011)*	Will attend workshop/ develop comments (individual or joint)	Q4
Residential Clothes Washers ⁷	Direct Final Rule (March 2011)		
General Service Fluorescent Lamps/ Incandescent Reflector Lamps	Framework Document (June 2011)*	May attend workshop/ will submit comments (individual or joint)	Q2-Q3
Metal Halide Lamp Fixtures	NOPR (July 2011)	May attend workshop/ will submit comments (individual or joint)	Q2-Q3
	Final Rule (December 2011)		

* Represent estimated dates from [ASAP](#).

⁶ Clothes dryers and room air conditioners as well as refrigerators/freezers, dishwashers and clothes washers were included as part of a negotiated agreement between efficiency advocates and the trade association AHAM in August 2010. It is possible those recommended standard levels will be adopted by DOE through a direct final rule or included in federal energy legislation before rulemaking is completed.

⁷ See footnote 5



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Appendix B) State-level Energy Savings Projections for 2011 Federal Rulemakings

Annual energy savings by 2020 (in GWh except where noted)

	Residential Clothes Washers	Residential Clothes Dryers	Room Air Conditioners	Residential Central Air Conditioners/Heat Pumps	Residential Furnaces-Gas (Bbtu)	Battery Chargers	Ext. Power Supplies	Residential Furnace Fans	Exempted Reflector Lamps (ER/BR)	Metal Halide Lamp Fixtures	State Electric Annual Savings Totals by 2020 from Federal Standards (GWh)	Achieved Annual Savings from Rate-payer Efficiency Program (GWh) (mostly 2009)
Maine	16.3	9.3	15.7	20.9	22.5	49.6	11.3	40.7	18.5	24.8	166.4	77.2
New Hampshire	13.9	7.9	13.5	18.9	212.7	42.3	9.6	33.8	15.8	21.2	143.1	69.2
Vermont	7.3	4.2	7.0	10.0	103.4	22.2	5	18.7	8.3	11.1	75.1	96.0
Massachusetts	63.6	36.3	61.6	94.4	479.0	193.8	44	139.5	72.3	96.9	662.8	436.1
Rhode Island	10.5	6.0	10.2	15.5	69.1	32.1	7.3	21.7	12	16.1	109.7	81.1
Connecticut	33.6	19.2	32.6	55.2	169.2	102.4	23.3	73.2	38.2	51.2	355.7	237.0
New York	185.4	105.9	179.5	321.9	1982.6	565.1	128.4	413.4	211	282.6	1979.8	827.0
New Jersey	81.7	46.7	79.2	155.9	1043.9	249	56.6	174.6	93	124.5	886.5	462.2
Pennsylvania	128.0	73.1	123.8	227.9	2053.0	389.9	88.6	281.3	145.6	195	1371.8	0.0
Delaware	9.1	5.2	8.7	21.1	94.7	27.7	6.3	19.4	10.3	13.8	102.2	0.0
Maryland	54.2	30.9	52.4	123.3	1286.9	165	37.5	116.2	61.6	82.5	607.4	169.5
Washington DC	6.6	3.8	6.5	15.1	31.8	20.2	4.6	14.2	7.6	10.1	74.4	0.0
NEEP Region	610.1	348.4	590.6	1080.1	7548.8	1859.3	422.5	1346.7	694.2	929.8	6534.9	2455.2

Source: Majority of projections come from "Ka-Boom: The Power of Appliance Standards", Appliance Standards Awareness Project (ASAP). View the report on ASAP's [website](#) (pages 25-44 of full report) for more details on individual products. Projections also reflect slightly modified standard levels for clothes washers, clothes dryers and room air conditioners included in 2010 AHAM-Advocate agreement as well as standard levels for furnaces and central air conditioners/heat pumps included in the 2009 AHRI-Advocate "Consensus agreement". Estimates are not currently available for televisions or general service fluorescent lamps/incandescent reflector lamps.



Appendix C) Savings Comparison: Combined State-level savings from Federal Rulemakings (2020) compared to savings achieved by Rate-payer Efficiency Programs (2009)

The chart below attempts to provide stakeholders some scale for how much energy savings are associated with this group of federal standards. The black bars represent the savings expected from the soon to be finalized federal standards, while the lighter grey bars represent annual energy savings achieved by rate payer efficiency programs in 2009. In many cases the savings are two to three times the savings from programs that are considered to be exemplary (it should be noted that many programs expect to double and/or triple their savings in the coming years). Your participation in the standards rulemakings will help ensure that the projected savings are realized, or surpassed.

