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Energy Supply (ES) Technical Work Group

Summary List of Pending Priority Policy Options for Analysis

Policy No.	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2015	2025	Total (2010–2025)			
ES-1	Advanced Fossil Fuel Technology Incentives, Support, or Requirements	<i>Not Yet Quantified</i>					Pending
ES-2	Nuclear Capacity	<i>Not Yet Quantified</i>					Pending
ES-3	Transmission System Upgrading	<i>Not Yet Quantified</i>					Pending
ES-4	Renewable Portfolio Standard (RPS)	<i>Not Yet Quantified</i>					Pending
ES-5	CCSR Incentives, Requirements and/or Enabling Policies	<i>Not Yet Quantified</i>					Pending
ES-6	Technology-Focused Initiatives, Including Grant Programs	<i>Not Yet Quantified</i>					Pending
ES-7	Research and Development for CCSR	<i>Not Yet Quantified</i>					Pending
ES-8	Technology Research and Development	<i>Not Yet Quantified</i>					Pending
ES-9	Green Power Purchases and Marketing	<i>Not Yet Quantified</i>					Pending
ES-10	Energy Efficiency Resource Portfolio Standard	<i>Not Yet Quantified</i>					Pending
ES-11	General Education to Public on Energy Supply Options	<i>Not Yet Quantified</i>					Pending
ES-12	Efficiency Improvements and Repowering Existing Plants	<i>Not Yet Quantified</i>					Pending

CCSR = carbon capture, storage, and reuse; GHG = greenhouse gas; MMtCO₂e = million metric tons of carbon dioxide equivalent; \$/tCO₂e = dollars per metric ton of carbon dioxide equivalent.

Note: The numbering used to denote the above pending priority policy options is for reference purposes only; it does not reflect prioritization among these important draft policy options.

ES-1. Advanced Fossil Fuel Technology Incentives, Support, or Requirements

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-2. Nuclear Capacity

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-3. Transmission System Upgrading

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-4. Renewable Portfolio Standard (RPS)

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-5. CCSR Incentives, Requirements and/or Enabling Policies

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-6. Technology-Focused Initiatives, Including Grant Programs

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-7. Research and Development for CCSR

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-8. Technology Research and Development

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-9. Green Power Purchases and Marketing

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-10. Energy Efficiency Resource Portfolio Standard

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-11. General Education to Public on Energy Supply Options

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

ES-12. Efficiency Improvements and Repowering Existing Plants

Policy Description

Policy Design

Goals:

Timing:

Parties Involved:

Other:

Implementation Mechanisms

Related Policies/Programs in Place

Type(s) of GHG Reductions

Estimated GHG Reductions and Net Costs or Cost Savings

Data Sources:

Quantification Methods:

Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus