

## Annex II

### Emission reduction commitments

1. The emission reduction commitments listed in the tables below relate to the provisions of article 3, paragraphs 1 and 10, of the present Protocol.
2. Table 1 includes the emission ceilings for sulphur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), ammonia (NH<sub>3</sub>) and volatile organic compounds (VOCs) for 2010 up to 2020 expressed in thousands of metric tons (tonnes) for those Parties that ratified the present Protocol prior to 2010.
3. Tables 2–6 include emission reduction commitments for SO<sub>2</sub>, NO<sub>x</sub>, NH<sub>3</sub>, VOCs and PM<sub>2.5</sub> for 2020 and beyond. These commitments are expressed as a percentage reduction from the 2005 emission level.
4. The 2005 emission estimates listed in tables 2–6 are in thousands of tonnes and represent the latest best available data reported by the Parties in 2012. These estimates are given for information purposes only, and may be updated by the Parties in the course of their reporting of emission data under the present Protocol if better information becomes available. The secretariat will maintain and regularly update on the Convention's website a table of the most up-to-date estimates reported by Parties, for information. The percentage emission reduction commitments listed in tables 2–6 are applicable to the most up-to-date 2005 estimates as reported by the Parties to the Executive Secretary of the Commission.
5. If in a given year a Party finds that, due to a particularly cold winter, a particularly dry summer or unforeseen variations in economic activities, such as a loss of capacity in the power supply system domestically or in a neighbouring country, it cannot comply with its emission reduction commitments, it may fulfil those commitments by averaging its national annual emissions for the year in question, the year preceding that year and the year following it, provided that this average does not exceed its commitment.

Table 1

**Emission ceilings for 2010 up to 2020 for Parties that ratified the present Protocol prior to 2010 (expressed in thousands of tonnes per year)**

|    | <i>Party</i>   | <i>Ratification</i> | <i>SO<sub>2</sub></i> | <i>NO<sub>x</sub></i> | <i>NH<sub>3</sub></i> | <i>VOCs</i> |
|----|----------------|---------------------|-----------------------|-----------------------|-----------------------|-------------|
| 1  | Belgium        | 2007                | 106                   | 181                   | 74                    | 144         |
| 2  | Bulgaria       | 2005                | 856                   | 266                   | 108                   | 185         |
| 3  | Croatia        | 2008                | 70                    | 87                    | 30                    | 90          |
| 4  | Cyprus         | 2007                | 39                    | 23                    | 9                     | 14          |
| 5  | Czech Republic | 2004                | 283                   | 286                   | 101                   | 220         |
| 6  | Denmark        | 2002                | 55                    | 127                   | 69                    | 85          |
| 7  | Finland        | 2003                | 116                   | 170                   | 31                    | 130         |
| 8  | France         | 2007                | 400                   | 860                   | 780                   | 1100        |
| 9  | Germany        | 2004                | 550                   | 1081                  | 550                   | 995         |
| 10 | Hungary        | 2006                | 550                   | 198                   | 90                    | 137         |
| 11 | Latvia         | 2004                | 107                   | 84                    | 44                    | 136         |
| 12 | Lithuania      | 2004                | 145                   | 110                   | 84                    | 92          |

|    | <i>Party</i>   | <i>Ratification</i> | <i>SO<sub>2</sub></i> | <i>NO<sub>x</sub></i> | <i>NH<sub>3</sub></i> | <i>VOCs</i>  |
|----|--|---------------------|-----------------------|-----------------------|-----------------------|--------------|
| 13 | Luxembourg   | 2001                | 4                     | 11                    | 7                     | 9            |
| 14 | Netherlands  | 2004                | 50                    | 266                   | 128                   | 191          |
| 15 | Norway   | 2002                | 22                    | 156                   | 23                    | 195          |
| 16 | Portugal   | 2005                | 170                   | 260                   | 108                   | 202          |
| 17 | Romania  | 2003                | 918                   | 437                   | 210                   | 523          |
| 18 | Slovakia   | 2005                | 110                   | 130                   | 39                    | 140          |
| 19 | Slovenia   | 2004                | 27                    | 45                    | 20                    | 40           |
| 20 | Spain <sup>a</sup>                                   | 2005                | 774                   | 847                   | 353                   | 669          |
| 21 | Sweden   | 2002                | 67                    | 148                   | 57                    | 241          |
| 22 | Switzerland  | 2005                | 26                    | 79                    | 63                    | 144          |
| 23 | United Kingdom of Great Britain and Northern Ireland | 2005                | 625                   | 1 181                 | 297                   | 1 200        |
| 24 | United States of America                             | 2004                | <sup>b</sup>          | <sup>c</sup>          |                       | <sup>d</sup> |
| 25 | European Union                                       | 2003                | 7 832                 | 8 180                 | 4 294                 | 7 585        |

<sup>a</sup> Figures apply to the European part of the country.

<sup>b</sup> Upon acceptance of the present Protocol in 2004, the United States of America provided an indicative target for 2010 of 16,013,000 tons for total sulphur emissions from the PEMA identified for sulphur, the 48 contiguous United States and the District of Columbia. This figure converts to 14,527,000 tonnes.

<sup>c</sup> Upon acceptance of the present Protocol in 2004, the United States of America provided an indicative target for 2010 of 6,897,000 tons for total NO<sub>x</sub> emissions from the PEMA identified for NO<sub>x</sub>, Connecticut, Delaware, the District of Columbia, Illinois, Indiana, Kentucky, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia, and Wisconsin. This figure converts to 6,257,000 tonnes.

<sup>d</sup> Upon acceptance of the present Protocol in 2004, the United States of America provided an indicative target for 2010 of 4,972,000 tons for total VOC emissions from the PEMA identified for VOCs, Connecticut, Delaware, the District of Columbia, Illinois, Indiana, Kentucky, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia, and Wisconsin. This figure converts to 4,511,000 tonnes.

Table 2

**Emission reduction commitments for sulphur dioxide for 2020 and beyond**

|   | <i>Convention Party</i> | <i>Emission levels 2005 in thousands of tonnes of SO<sub>2</sub></i> | <i>Reduction from 2005 level (%)</i> |
|---|-------------------------|--|--------------------------------------|
| 1 | Austria                 | 27   | 26                                   |
| 2 | Belarus                 | 79   | 20                                   |
| 3 | Belgium                 | 145  | 43                                   |
| 4 | Bulgaria                | 777  | 78                                   |
| 5 | Canada <sup>a</sup>     |  |                                      |
| 6 | Croatia                 | 63   | 55                                   |
| 7 | Cyprus                  | 38   | 83                                   |
| 8 | Czech Republic          | 219  | 45                                   |
| 9 | Denmark                 | 23   | 35                                   |

|    | <i>Convention Party</i>                              | <i>Emission levels 2005 in thousands of tonnes of SO<sub>2</sub></i> | <i>Reduction from 2005 level (%)</i> |
|----|--|--|--------------------------------------|
| 10 | Estonia  | 76   | 32                                   |
| 11 | Finland  | 69   | 30                                   |
| 12 | France   | 467  | 55                                   |
| 13 | Germany  | 517  | 21                                   |
| 14 | Greece   | 542  | 74                                   |
| 15 | Hungary  | 129  | 46                                   |
| 16 | Ireland  | 71   | 65                                   |
| 17 | Italy  | 403  | 35                                   |
| 18 | Latvia   | 6.7  | 8                                    |
| 19 | Lithuania  | 44   | 55                                   |
| 20 | Luxembourg   | 2.5  | 34                                   |
| 21 | Malta  | 11   | 77                                   |
| 22 | Netherlands <sup>b</sup>                             | 65   | 28                                   |
| 23 | Norway   | 24   | 10                                   |
| 24 | Poland   | 1 224  | 59                                   |
| 25 | Portugal   | 177  | 63                                   |
| 26 | Romania  | 643  | 77                                   |
| 27 | Slovakia   | 89   | 57                                   |
| 28 | Slovenia   | 40   | 63                                   |
| 29 | Spain <sup>b</sup>                                   | 1 282  | 67                                   |
| 30 | Sweden   | 36   | 22                                   |
| 31 | Switzerland  | 17   | 21                                   |
| 32 | United Kingdom of Great Britain and Northern Ireland | 706  | 59                                   |
| 33 | United States of America <sup>c</sup>                | 13 093   | <sup>c</sup>                         |
| 34 | European Union                                       | 7 828  | 59                                   |

<sup>a</sup> Upon ratification, acceptance or approval of, or accession to, the present Protocol, Canada shall provide: (a) a value for total estimated sulphur emission levels for 2005, either national or for its PEMA, if it has submitted one; and (b) an indicative value for a reduction of total sulphur emission levels for 2020 from 2005 levels, either at the national level or for its PEMA. Item (a) will be included in the table and item (b) will be included in a footnote to the table. The PEMA, if submitted, will be offered as an adjustment to annex III to the Protocol.

<sup>b</sup> Figures apply to the European part of the country.

<sup>c</sup> Upon acceptance of the present Protocol in 2017, the United States of America provided an emission figure for 2005 of 14,432,709 tons (this figure converts to 13,093 thousands of tonnes) and an indicative target for 2020 of 2,598,131 tons for total sulphur emissions from the PEMA identified for sulphur, all U.S. states except for Alaska and Hawaii. The latter figure converts to 2,357 thousands of tonnes, a reduction of 82 per cent.

Table 3

**Emission reduction commitments for nitrogen oxides for 2020 and beyond<sup>a</sup>**

|    | <i>Convention Party</i>                                 | <i>Emission levels 2005 in<br/>thousands of tonnes of NO<sub>2</sub></i> | <i>Reduction from<br/>2005 level (%)</i> |
|----|---|--|--|
| 1  | Austria   | 231  | 37                                       |
| 2  | Belarus   | 171  | 25                                       |
| 3  | Belgium   | 291  | 41                                       |
| 4  | Bulgaria  | 154  | 41                                       |
| 5  | Canada <sup>b</sup>                                     |  |  |
| 6  | Croatia   | 81   | 31                                       |
| 7  | Cyprus  | 21   | 44                                       |
| 8  | Czech Republic  | 286  | 35                                       |
| 9  | Denmark   | 181  | 56                                       |
| 10 | Estonia   | 36   | 18                                       |
| 11 | Finland   | 177  | 35                                       |
| 12 | France  | 1 430  | 50                                       |
| 13 | Germany   | 1 464  | 39                                       |
| 14 | Greece  | 419  | 31                                       |
| 15 | Hungary   | 203  | 34                                       |
| 16 | Ireland   | 127  | 49                                       |
| 17 | Italy   | 1 212  | 40                                       |
| 18 | Latvia  | 37   | 32                                       |
| 19 | Lithuania   | 58   | 48                                       |
| 20 | Luxembourg  | 19   | 43                                       |
| 21 | Malta   | 9.3  | 42                                       |
| 22 | Netherlands <sup>c</sup>                                | 370  | 45                                       |
| 23 | Norway  | 200  | 23                                       |
| 24 | Poland  | 866  | 30                                       |
| 25 | Portugal  | 256  | 36                                       |
| 26 | Romania   | 309  | 45                                       |
| 27 | Slovakia  | 102  | 36                                       |
| 28 | Slovenia  | 47   | 39                                       |
| 29 | Spain <sup>c</sup>                                      | 1 292  | 41                                       |
| 30 | Sweden  | 174  | 36                                       |
| 31 | Switzerland <sup>d</sup>                                | 94   | 41                                       |
| 32 | United Kingdom of Great Britain and<br>Northern Ireland | 1 580  | 55                                       |
| 33 | United States of America <sup>e</sup>                   | 18 331   | <sup>e</sup>                             |
| 34 | European Union  | 11 354   | 42                                       |

<sup>a</sup> Emissions from soils are not included in the 2005 estimates for European Union member States.

<sup>b</sup> Upon ratification, acceptance or approval of, or accession to, the present Protocol, Canada shall provide: (a) a value for total estimated nitrogen oxide emission levels for 2005, either

national or for its PEMA, if it has submitted one; and (b) an indicative value for a reduction of total nitrogen oxide emission levels for 2020 from 2005 levels, either at the national level or for its PEMA. Item (a) will be included in the table and item (b) will be included in a footnote to the table. The PEMA, if submitted, will be offered as an adjustment to annex III to the Protocol.

<sup>c</sup> Figures apply to the European part of the country.

<sup>d</sup> Including emissions from crop production and agricultural soils (NFR 4D).

<sup>e</sup> Upon acceptance of the present Protocol in 2017, the United States of America provided an emission figure for 2005 of 20,205,948 tons (this figure converts to 18,331 thousands of tonnes) and an indicative target for 2020 of 9,457,891 tons for total nitrogen oxide emissions from the PEMA identified for nitrogen oxide, all U.S. states except Hawaii. This figure converts to 8,580 thousands of tonnes, a reduction of 53 per cent.

Table 4

**Emission reduction commitments for ammonia for 2020 and beyond**

|    | <i>Convention Party</i>  | <i>Emission levels 2005 in thousands of tonnes of NH<sub>3</sub></i> | <i>Reduction from 2005 level (%)</i> |
|----|--------------------------|--|--------------------------------------|
| 1  | Austria                  | 63   | 1                                    |
| 2  | Belarus                  | 136  | 7                                    |
| 3  | Belgium                  | 71   | 2                                    |
| 4  | Bulgaria                 | 60   | 3                                    |
| 5  | Croatia                  | 40   | 1                                    |
| 6  | Cyprus                   | 5.8  | 10                                   |
| 7  | Czech Republic           | 82   | 7                                    |
| 8  | Denmark                  | 83   | 24                                   |
| 9  | Estonia                  | 9.8  | 1                                    |
| 10 | Finland                  | 39   | 20                                   |
| 11 | France                   | 661  | 4                                    |
| 12 | Germany                  | 573  | 5                                    |
| 13 | Greece                   | 68   | 7                                    |
| 14 | Hungary                  | 80   | 10                                   |
| 15 | Ireland                  | 109  | 1                                    |
| 16 | Italy                    | 416  | 5                                    |
| 17 | Latvia                   | 16   | 1                                    |
| 18 | Lithuania                | 39   | 10                                   |
| 19 | Luxembourg               | 5.0  | 1                                    |
| 20 | Malta                    | 1.6  | 4                                    |
| 21 | Netherlands <sup>a</sup> | 141  | 13                                   |
| 22 | Norway                   | 23   | 8                                    |
| 23 | Poland                   | 270  | 1                                    |
| 24 | Portugal                 | 50   | 7                                    |
| 25 | Romania                  | 199  | 13                                   |
| 26 | Slovakia                 | 29   | 15                                   |
| 27 | Slovenia                 | 18   | 1                                    |
| 28 | Spain <sup>a</sup>       | 365  | 3                                    |
| 29 | Sweden                   | 55   | 15                                   |
| 30 | Switzerland              | 64   | 8                                    |

|    | <i>Convention Party</i>                              | <i>Emission levels 2005 in thousands of tonnes of NH<sub>3</sub></i> | <i>Reduction from 2005 level (%)</i> |
|----|--|--|--------------------------------------|
| 31 | United Kingdom of Great Britain and Northern Ireland | 307  | 8                                    |
| 32 | European Union                                       | 3 813  | 6                                    |

<sup>a</sup> Figures apply to the European part of the country.

Table 5  
**Emission reduction commitments for Volatile Organic Compounds for 2020 and beyond**

|    | <i>Convention Party</i>  | <i>Emission levels 2005 in thousands of tonnes of VOC</i> | <i>Reduction from 2005 level (%)</i> |
|----|--------------------------|---|--------------------------------------|
| 1  | Austria                  | 162   | 21                                   |
| 2  | Belarus                  | 349   | 15                                   |
| 3  | Belgium                  | 143   | 21                                   |
| 4  | Bulgaria                 | 158   | 21                                   |
| 5  | Canada <sup>a</sup>      |   |                                      |
| 6  | Croatia                  | 101   | 34                                   |
| 7  | Cyprus                   | 14  | 45                                   |
| 8  | Czech Republic           | 182   | 18                                   |
| 9  | Denmark                  | 110   | 35                                   |
| 10 | Estonia                  | 41  | 10                                   |
| 11 | Finland                  | 131   | 35                                   |
| 12 | France                   | 1 232   | 43                                   |
| 13 | Germany                  | 1 143   | 13                                   |
| 14 | Greece                   | 222   | 54                                   |
| 15 | Hungary                  | 177   | 30                                   |
| 16 | Ireland                  | 57  | 25                                   |
| 17 | Italy                    | 1 286   | 35                                   |
| 18 | Latvia                   | 73  | 27                                   |
| 19 | Lithuania                | 84  | 32                                   |
| 20 | Luxembourg               | 9.8   | 29                                   |
| 21 | Malta                    | 3.3   | 23                                   |
| 22 | Netherlands <sup>b</sup> | 182   | 8                                    |
| 23 | Norway                   | 218   | 40                                   |
| 24 | Poland                   | 593   | 25                                   |
| 25 | Portugal                 | 207   | 18                                   |
| 26 | Romania                  | 425   | 25                                   |
| 27 | Slovakia                 | 73  | 18                                   |
| 28 | Slovenia                 | 37  | 23                                   |
| 29 | Spain <sup>b</sup>       | 809   | 22                                   |
| 30 | Sweden                   | 197   | 25                                   |

|    | <i>Convention Party</i>                              | <i>Emission levels 2005 in thousands of tonnes of VOC</i> | <i>Reduction from 2005 level (%)</i> |
|----|--|---|--------------------------------------|
| 31 | Switzerland <sup>c</sup>                             | 103   | 30                                   |
| 32 | United Kingdom of Great Britain and Northern Ireland | 1 088   | 32                                   |
| 33 | United States of America <sup>d</sup>                | 15 554  | <sup>d</sup>                         |
| 34 | European Union                                       | 8 842   | 28                                   |

<sup>a</sup> Upon ratification, acceptance or approval of, or accession to, the present Protocol, Canada shall provide: (a) a value for total estimated VOC emission levels for 2005, either national or for its PEMA, if it has submitted one; and (b) an indicative value for a reduction of total VOC emission levels for 2020 from 2005 levels, either at the national level or for its PEMA. Item (a) will be included in the table and item (b) will be included in a footnote to the table. The PEMA, if submitted, will be offered as an adjustment to annex III to the Protocol.

<sup>b</sup> Figures apply to the European part of the country.

<sup>c</sup> Including emissions from crop production and agricultural soils (NFR 4D).

<sup>d</sup> Upon acceptance of the present Protocol in 2017, the United States of America provided an emission figure for 2005 of 17,145,277 (this figure converts to 15,554 thousands of tonnes) and an indicative target for 2020 of 13,429,028 tons for total VOC emissions from the PEMA identified for VOC, all U.S. states except Hawaii. This figure converts to 12,183 thousands of tonnes, a reduction of 22 per cent.

Table 6

**Emission reduction commitments for PM<sub>2.5</sub> for 2020 and beyond**

|    | <i>Convention Party</i> | <i>Emission levels 2005 in thousands of tonnes of PM<sub>2.5</sub></i> | <i>Reduction from 2005 level (%)</i> |
|----|-------------------------|--|--------------------------------------|
| 1  | Austria                 | 22   | 20                                   |
| 2  | Belarus                 | 46   | 10                                   |
| 3  | Belgium                 | 24   | 20                                   |
| 4  | Bulgaria                | 44   | 20                                   |
| 5  | Canada <sup>a</sup>     |  |                                      |
| 6  | Croatia                 | 13   | 18                                   |
| 7  | Cyprus                  | 2.9  | 46                                   |
| 8  | Czech Republic          | 22   | 17                                   |
| 9  | Denmark                 | 25   | 33                                   |
| 10 | Estonia                 | 20   | 15                                   |
| 11 | Finland                 | 36   | 30                                   |
| 12 | France                  | 304  | 27                                   |
| 13 | Germany                 | 121  | 26                                   |
| 14 | Greece                  | 56   | 35                                   |
| 15 | Hungary                 | 31   | 13                                   |
| 16 | Ireland                 | 11   | 18                                   |
| 17 | Italy                   | 166  | 10                                   |
| 18 | Latvia                  | 27   | 16                                   |
| 19 | Lithuania               | 8.7  | 20                                   |
| 20 | Luxembourg              | 3.1  | 15                                   |

|    | <i>Convention Party</i>                              | <i>Emission levels 2005 in thousands of tonnes of PM<sub>2.5</sub></i> | <i>Reduction from 2005 level (%)</i> |
|----|--|--|--------------------------------------|
| 21 | Malta  | 1.3  | 25                                   |
| 22 | Netherlands <sup>b</sup>                             | 21   | 37                                   |
| 23 | Norway   | 52   | 30                                   |
| 24 | Poland   | 133  | 16                                   |
| 25 | Portugal   | 65   | 15                                   |
| 26 | Romania  | 106  | 28                                   |
| 27 | Slovakia   | 37   | 36                                   |
| 28 | Slovenia   | 14   | 25                                   |
| 29 | Spain <sup>b</sup>                                   | 93   | 15                                   |
| 30 | Sweden   | 29   | 19                                   |
| 31 | Switzerland  | 11   | 26                                   |
| 32 | United Kingdom of Great Britain and Northern Ireland | 81   | 30                                   |
| 33 | United States of America <sup>c</sup>                | 1 941  | <sup>c</sup>                         |
| 34 | European Union                                       | 1 504  | 22                                   |

<sup>a</sup> Upon ratification, acceptance or approval of, or accession to, the present Protocol, Canada shall provide: (a) a value for total estimated PM emission levels for 2005, either national or for its PEMA, if it has submitted one; and (b) an indicative value for a reduction of total emission levels of PM for 2020 from 2005 levels, either at the national level or for its PEMA. Item (a) will be included in the table and item (b) will be included in a footnote to the table. The PEMA, if submitted, will be offered as an adjustment to annex III to the Protocol.

<sup>b</sup> Figures apply to the European part of the country.

<sup>c</sup> Upon acceptance of the present Protocol in 2017, the United States of America provided an emission figure for 2005 of 2,139,127 (this figure converts to 1,941 thousands of tonnes) and an indicative target for 2020 of 1,564,495 tons for total PM<sub>2.5</sub> emissions from the PEMA identified for PM<sub>2.5</sub>, Alaska, Connecticut, Delaware, District of Columbia, Idaho, Illinois, Indiana, Iowa, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming. This figure converts to 1,419 thousands of tonnes, a reduction of 27 per cent.

## **Annex III**

### **Designated pollutant emissions management areas**

1. The following pollutant emissions management areas (PEMAs) are listed for the purpose of the present Protocol.

#### **Canada PEMA**

2. The PEMA for sulphur for Canada is an area of 1 million square kilometres which includes all the territory of the Provinces of Prince Edward Island, Nova Scotia and New Brunswick, all the territory of the Province of Québec south of a straight line between Havre-St. Pierre on the north coast of the Gulf of Saint Lawrence and the point where the Québec-Ontario boundary intersects with the James Bay coastline, and all the territory of the Province of Ontario south of a straight line between the point where the Ontario-Québec boundary intersects the James Bay coastline and the Nipigon River near the north shore of Lake Superior.

#### **Russian Federation PEMA**

3. The Russian Federation PEMA corresponds to the European territory of the Russian Federation. The European territory of the Russian Federation is a part of the territory of the Russian Federation within the administrative and geographical boundaries of the entities of the Russian Federation located in Eastern Europe bordering the Asian continent in accordance with the conventional borderline that passes from north to south along the Ural Mountains, the border with Kazakhstan to the Caspian Sea, then along the State borders with Azerbaijan and Georgia in the North Caucasus to the Black Sea.

#### **United States of America PEMAs**

4. Description of the Geographical Scope of the U.S. Pollutant Emission Management Area (PEMA) For SO<sub>2</sub>: All U.S. states except Alaska and Hawaii.

5. Description of the Geographical Scope of the U.S. Pollutant Emission Management Area (PEMA) For NO<sub>x</sub>: All U.S. states except Hawaii.

6. Description of the Geographical Scope of the U.S. Pollutant Emission Management Area (PEMA) For VOCs: All U.S. states except Hawaii. 7. Description of the Geographical Scope of the U.S. Pollutant Emission Management Area (PEMA) For Particulate Matter: Alaska, Connecticut, Delaware, District of Columbia, Idaho, Illinois, Indiana, Iowa, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, Nebraska, New Hampshire, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming.