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World Public Opinion on Energy

November 19, 2008

* Data listed as Hong Kong, Macau, and Taiwan are not included in the averages displayed.

1. I would like you to consider different ways to deal with the problem of energy. For each one please tell me if you think our country should emphasize it more, less, or the same as now

a. Installing solar or wind energy systems

| | Emphasize more | Emphasize less | Same as now | DK/NS |
|---------------------|----------------|----------------|-------------|-------|
| Argentina | 82 | 4 | 6 | 8 |
| Mexico | 86 | 4 | 6 | 3 |
| US | 87 | 5 | 6 | 3 |
| France | 88 | 3 | 9 | 0 |
| Germany | 82 | 5 | 12 | 2 |
| Britain | 81 | 6 | 10 | 4 |
| Italy | 88 | 7 | 4 | 2 |
| Poland | 85 | 7 | 1 | 7 |
| Russia | 50 | 4 | 12 | 35 |
| Ukraine | 67 | 6 | 7 | 20 |
| Azerbaijan | 64 | 10 | 13 | 14 |
| Jordan | 76 | 11 | 3 | 10 |
| Palest. Ter. | 59 | 30 | 8 | 4 |
| Turkey | 84 | 4 | 3 | 9 |
| Kenya | 88 | 11 | 0 | 1 |
| Nigeria | 77 | 17 | 4 | 3 |
| China | 84 | 4 | 4 | 8 |
| Hong Kong* | 59 | 16 | 18 | 8 |
| Macau* | 64 | 9 | 15 | 12 |
| India | 62 | 13 | 16 | 10 |
| Indonesia | 64 | 16 | 8 | 13 |
| S Korea | 89 | 2 | 9 | 1 |
| Taiwan* | 82 | 2 | 10 | 5 |
| Thailand | 75 | 7 | 5 | 13 |
| Average | 77 | 8 | 7 | 8 |

b. Modifying buildings to make them more energy efficient

| | Emphasize more | Emphasize less | Same as now | DK/NS |
|---------------------|-----------------------|-----------------------|--------------------|--------------|
| Argentina | 80 | 4 | 8 | 8 |
| Mexico | 83 | 7 | 7 | 3 |
| US | 83 | 4 | 11 | 2 |
| France | 89 | 2 | 9 | 1 |
| Germany | 85 | 6 | 7 | 1 |
| Britain | 89 | 2 | 8 | 2 |
| Italy | 88 | 8 | 3 | 1 |
| Poland | 83 | 9 | 1 | 7 |
| Russia | 58 | 8 | 14 | 20 |
| Ukraine | 66 | 6 | 7 | 21 |
| Azerbaijan | 60 | 17 | 17 | 6 |
| Jordan | 69 | 16 | 6 | 10 |
| Palest. Ter. | 54 | 31 | 10 | 4 |
| Turkey | 83 | 6 | 2 | 9 |
| Kenya | 75 | 23 | 2 | 1 |
| Nigeria | 55 | 28 | 12 | 5 |
| China | 80 | 6 | 4 | 10 |
| Hong Kong* | 51 | 16 | 23 | 11 |
| Macau* | 56 | 10 | 18 | 15 |
| India | 54 | 17 | 19 | 11 |
| Indonesia | 55 | 24 | 8 | 12 |
| S Korea | 85 | 3 | 10 | 2 |
| Taiwan* | 73 | 4 | 16 | 8 |
| Thailand | 73 | 8 | 6 | 13 |
| Average | 74 | 11 | 8 | 7 |

c. Building coal or oil-fired power plants

| | Emphasize more | Emphasize less | Same as now | DK/NS |
|------------------|-----------------------|-----------------------|--------------------|--------------|
| Argentina | 60 | 14 | 14 | 13 |
| Mexico | 46 | 39 | 12 | 5 |
| US | 25 | 49 | 22 | 4 |
| France | 28 | 46 | 21 | 4 |
| Germany | 9 | 62 | 27 | 2 |
| Britain | 28 | 40 | 24 | 8 |
| Italy | 38 | 46 | 11 | 5 |
| Poland | 27 | 28 | 28 | 17 |

| | | | | |
|---------------------|----|----|----|----|
| Russia | 19 | 38 | 23 | 21 |
| Ukraine | 30 | 27 | 22 | 22 |
| Azerbaijan | 45 | 31 | 15 | 9 |
| Jordan | 63 | 19 | 7 | 11 |
| Palest. Ter. | 46 | 35 | 14 | 5 |
| Turkey | 52 | 26 | 11 | 11 |
| Kenya | 69 | 23 | 5 | 4 |
| Nigeria | 56 | 28 | 11 | 6 |
| China | 42 | 36 | 11 | 11 |
| Hong Kong* | 23 | 30 | 34 | 12 |
| Macau* | 30 | 28 | 25 | 16 |
| India | 36 | 27 | 24 | 13 |
| Indonesia | 50 | 24 | 10 | 15 |
| S Korea | 31 | 33 | 32 | 4 |
| Taiwan* | 29 | 34 | 27 | 10 |
| Thailand | 41 | 19 | 13 | 28 |
| Average | 40 | 33 | 17 | 10 |

d. Building nuclear energy power plants

| | Emphasize more | Emphasize less | Same as now | DK/NS |
|---------------------|-----------------------|-----------------------|--------------------|--------------|
| Argentina | 55 | 21 | 12 | 12 |
| Mexico | 32 | 50 | 12 | 7 |
| US | 42 | 31 | 24 | 3 |
| France | 26 | 41 | 32 | 1 |
| Germany | 14 | 63 | 22 | 1 |
| Britain | 41 | 29 | 22 | 8 |
| Italy | 52 | 33 | 8 | 6 |
| Poland | 32 | 12 | 37 | 18 |
| Russia | 27 | 33 | 22 | 18 |
| Ukraine | 9 | 49 | 20 | 22 |
| Azerbaijan | 36 | 32 | 16 | 17 |
| Jordan | 58 | 21 | 9 | 12 |
| Palest. Ter. | 41 | 34 | 18 | 7 |
| Turkey | 48 | 26 | 12 | 14 |
| Kenya | 57 | 29 | 8 | 6 |
| Nigeria | 56 | 25 | 9 | 11 |
| China | 63 | 10 | 6 | 20 |
| Hong Kong* | 22 | 35 | 32 | 11 |
| Macau* | 23 | 44 | 17 | 15 |
| India | 51 | 16 | 17 | 17 |

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|------------------|----|----|----|----|
| Indonesia | 23 | 40 | 10 | 27 |
| S Korea | 55 | 13 | 28 | 5 |
| Taiwan* | 40 | 21 | 30 | 9 |
| Thailand | 22 | 31 | 10 | 37 |
| Average | 40 | 30 | 17 | 13 |

2. Do you favor or oppose the government doing each of the following:

a. Requiring utilities to use more alternative energy, such as wind and solar, even if this increases the cost of energy in the short run

| | Favor | Oppose | DK / NS |
|---------------------|--------------|---------------|----------------|
| Argentina | 70 | 17 | 13 |
| Mexico | 58 | 38 | 5 |
| US | 66 | 28 | 6 |
| France | 88 | 10 | 3 |
| Germany | 62 | 36 | 2 |
| Britain | 75 | 19 | 6 |
| Italy | 67 | 29 | 4 |
| Poland | 66 | 15 | 19 |
| Russia | 36 | 36 | 28 |
| Ukraine | 56 | 11 | 33 |
| Azerbaijan | 48 | 43 | 8 |
| Jordan | 77 | 13 | 10 |
| Palest. Ter. | 71 | 27 | 2 |
| Turkey | 71 | 12 | 17 |
| Kenya | 87 | 13 | 1 |
| Nigeria | 71 | 26 | 4 |
| China | 75 | 11 | 14 |
| Hong Kong* | 78 | 15 | 7 |
| Macau* | 76 | 13 | 11 |
| India | 63 | 20 | 17 |
| Indonesia | 65 | 13 | 22 |
| S Korea | 96 | 4 | 1 |
| Taiwan* | 88 | 9 | 3 |
| Thailand | 73 | 9 | 17 |
| Average | 69 | 20 | 11 |

b. Requiring businesses to use energy more efficiently, even if this might make some products more expensive

| | Favor | Oppose | DK / NS |
|------------------|--------------|---------------|----------------|
| Argentina | 63 | 24 | 13 |

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|----------------|-----------|-----------|-----------|
| Mexico | 47 | 49 | 4 |
| US | 61 | 34 | 5 |
| France | 72 | 25 | 3 |
| Germany | 57 | 40 | 3 |
| Britain | 79 | 17 | 5 |
| Italy | 69 | 27 | 4 |
| Poland | 50 | 26 | 24 |
| Russia | 28 | 43 | 29 |
| Ukraine | 46 | 17 | 38 |
| Azerbaijan | 38 | 55 | 7 |
| Jordan | 62 | 27 | 11 |
| Palest. Ter. | 53 | 44 | 2 |
| Turkey | 63 | 18 | 19 |
| Kenya | 71 | 28 | 1 |
| Nigeria | 49 | 46 | 5 |
| China | 66 | 16 | 18 |
| Hong Kong* | 71 | 18 | 10 |
| Macau* | 71 | 18 | 12 |
| India | 62 | 25 | 14 |
| Indonesia | 37 | 47 | 16 |
| S Korea | 74 | 24 | 3 |
| Taiwan* | 80 | 15 | 5 |
| Thailand | 65 | 17 | 18 |
| Average | 58 | 31 | 11 |

c. Having an extra charge for the purchase of models of appliances and cars that are NOT energy efficient

| | Favor | Oppose | DK / NS |
|---------------------|--------------|---------------|----------------|
| Argentina | 62 | 25 | 13 |
| Mexico | 39 | 57 | 4 |
| US | 43 | 52 | 5 |
| France | 60 | 38 | 2 |
| Germany | 43 | 54 | 3 |
| Britain | 59 | 36 | 5 |
| Italy | 69 | 28 | 3 |
| Poland | 37 | 36 | 26 |
| Russia | 37 | 33 | 30 |
| Ukraine | 32 | 22 | 47 |
| Azerbaijan | 43 | 47 | 10 |
| Jordan | 37 | 52 | 11 |
| Palest. Ter. | 38 | 58 | 4 |
| Turkey | 56 | 26 | 19 |

| | | | |
|-------------------|----|----|----|
| Kenya | 74 | 25 | 2 |
| Nigeria | 44 | 46 | 11 |
| China | 48 | 33 | 19 |
| Hong Kong* | 55 | 36 | 9 |
| Macau* | 53 | 35 | 12 |
| India | 47 | 27 | 26 |
| Indonesia | 61 | 21 | 18 |
| S Korea | 53 | 43 | 4 |
| Taiwan* | 55 | 40 | 5 |
| Thailand | 19 | 64 | 17 |
| Average | 48 | 39 | 13 |

3. As you may know there is some controversy about the possibility of making a major shift to alternative energy sources, such as wind and solar. Which view is closer to yours?

| | A. This would cost so much money that it would hurt the economy | B. With the rising cost of energy, it would save money in the long run | DK / NS |
|---------------------|--|---|----------------|
| Argentina | 21 | 66 | 13 |
| Mexico | 18 | 73 | 10 |
| US | 18 | 79 | 3 |
| France | 12 | 83 | 5 |
| Germany | 31 | 65 | 4 |
| Britain | 13 | 79 | 8 |
| Italy | 18 | 74 | 8 |
| Poland | 6 | 77 | 17 |
| Russia | 27 | 45 | 29 |
| Ukraine | 14 | 54 | 33 |
| Azerbaijan | 33 | 52 | 15 |
| Jordan | 21 | 61 | 18 |
| Palest. Ter. | 40 | 55 | 4 |
| Turkey | 19 | 57 | 24 |
| Kenya | 34 | 64 | 2 |
| Nigeria | 32 | 63 | 6 |
| China | 8 | 78 | 14 |
| Hong Kong* | 10 | 83 | 7 |
| Macau* | 9 | 79 | 12 |
| India | 29 | 51 | 19 |
| Indonesia | 15 | 59 | 27 |
| S Korea | 12 | 86 | 2 |
| Taiwan* | 7 | 84 | 9 |
| Thailand | 13 | 59 | 28 |

Average

21

66

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METHODOLOGY

| Country | Sample Size (unweighted) | MoE (%) | Field dates | Survey methodology | Type of sample |
|----------------------------|-------------------------------------|--------------------|----------------------------------|-------------------------------|--|
| Argentina | 679 | 3.8 | August 20-29, 2008 | Face-to-face | Urban ¹ |
| Azerbaijan | 600 | 4.1 | August 10-31, 2008 | Face-to-face | National |
| China | 1011 | 3.2 | Jul 26 – Aug 2, 2008 | Telephone | National ² |
| <i>Hong Kong</i> | <i>1008</i> | <i>3.1</i> | <i>Aug 27 – Nov 4, 2008</i> | <i>Telephone</i> | <i>Representative of Hong Kong</i> |
| <i>Macau</i> | <i>1089</i> | <i>3.0</i> | <i>August 11-20, 2008</i> | <i>Telephone</i> | <i>Representative of Macau</i> |
| <i>Taiwan</i> | <i>823</i> | <i>3.5</i> | <i>August 22-31, 2008</i> | <i>Telephone</i> | <i>Representative of Taiwan</i> |
| France | 600 | 4.1 | August 5 - 12, 2008 | Telephone | National |
| Germany | 1008 | 3.1 | Jul 15 – Aug 12, 2008 | Telephone | National |
| Great Britain | 803 | 3.5 | Jul 31 – Aug 8, 2008 | Telephone | National |
| India | 1118 | 3.0 | Aug 30 – Sep 2, 2008 | Face-to-face | National ³ |
| Indonesia | 716 | 3.7 | Jul 26 – Aug 18, 2008 | Face-to-face | National ⁴ |
| Italy | 600 | 4.1 | July 16-30 and Sep 4-10, 2008 | Telephone | National |
| Jordan | 583 | 4.1 | August 12-15, 2008 | Face-to-face | National |
| Kenya | 1000 | 3.2 | July 17-30, 2008 | Face-to-face | National |
| Mexico | 850 | 3.4 | August 9-10, 2008 | Telephone | National ⁵ |
| Nigeria | 1000 | 3.2 | August 9-18, 2008 | Face-to-face | National ⁶ |
| Palestinian territories | 638 | 4.0 | August 1-7, 2008 | Face-to-face | National ⁷ |
| Poland | 1094 | 3.0 | Jun 30 – Jul 8, 2008 | Face-to-face | National |

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|---------------|------|-----|-----------------------|-----------------------|-----------------------|
| Russia | 800 | 3.5 | August 15-20, 2008 | Face-to-Face | National |
| South Korea | 600 | 4.1 | August 28-29, 2008 | Telephone | National |
| Thailand | 2223 | 2.1 | September 1-25, 2008 | Face-to-face | National ⁸ |
| Turkey | 1023 | 3.1 | Jul 28 – Aug 18, 2008 | Face-to-face | National |
| Ukraine | 1043 | 3.1 | Aug 30 – Sep 9, 2008 | Face-to-face | National |
| United States | 889 | 3.4 | August 9-20, 2008 | Internet ⁹ | National |

¹ In Argentina, the survey was executed in the urban areas of Capital Federal and Gran Buenos Aires, representing 35 percent of Argentina's population.

² In China, the survey was a probability sample of urban and rural households with land-line telephones in the provinces of Anhui, Hebei, Heilongjiang, Hubei, Jiangsu, Shanxi, Shanghai, Sichuan, and Yunnan—representing approximately 60 percent of the mainland Chinese population. The sample was 40 percent rural, 60 percent urban (rural households make up approximately 55 percent of the population).

³ In India, a face-to-face survey was conducted in urban and rural areas in 14 of the largest Indian states; these states comprise 77 percent of India's population. The sample is 60 percent urban, India's population is approximately 30 percent urban.

⁴ In Indonesia, a national probability sample was conducted in both urban and rural areas and covering approximately 87 percent of Indonesia's population.

⁵ In Mexico, a random telephone sample of adults who had landline telephones was conducted in all 31 states and the Federal District. Telephone penetration in Mexico is 55 percent.

⁶ In Nigeria, the sample was developed by selecting six states, one per geographic region, based upon their size and representativeness. Within each state, sampling points were selected by means of a multi-stage random sample which disproportionately sampled urban areas. The final sample is 75 percent urban; Nigeria is approximately 50 percent urban.

⁷ In the Palestinian territories, a face-to-face national probability survey was conducted among the population of the West Bank, including East Jerusalem, and the Gaza Strip.

⁸ In Thailand, the survey was conducted in 9 provinces of the country including Bangkok, Samutprakarn, Chanthaburi, Khonkaen, Chiang Mai, Kamphaengphet, Sakonnakhon, Chumphon, and Songkhla.

⁹ In the United States, the poll was an online survey drawn from a nationally representative sample of the Knowledge Networks online panel. This panel is probabilistically-based, selected from the population of US telephone households and subsequently provided with an Internet connection if needed.