

# Virginia Energy Bingo - Teacher Instructions

## Time

- 45 minutes

## Get Ready

Duplicate as many *Virginia Energy Bingo* sheets (found on page 88) as needed for each person in your group. In addition, decide now if you want to give the winner of your game a prize and what the prize will be.

## Get Set

Pass out one *Virginia Energy Bingo* sheet to each member of the group.

## Go

### Part One: Filling in the BINGO sheets

Give the group the following instructions to create bingo cards:

- This bingo activity is very similar to regular bingo. However, there are a few things you'll need to know to play this game. First, please take a minute to look at your bingo sheet and read the 16 statements at the top of the page. Shortly, you'll be going around the room trying to find 16 people about whom the statements are true so you can write their names in one of the 16 boxes.
- When I give you the signal, you'll get up and ask a person if a statement at the top of your bingo sheet is true for them. If the person gives what you believe is a correct response, write the person's name in the corresponding box on the lower part of the page. For example, if you ask a person question "D" and he or she gives you what you think is a correct response, then go ahead and write the person's name in box D. A correct response is important because later on, if you get bingo, that person will be asked to answer the question correctly in front of the group. If he or she can't answer the question correctly, then you lose bingo. So, if someone gives you an incorrect answer, ask someone else! Don't use your name for one of the boxes or use the same person's name twice.
- Try to fill all 16 boxes in the next 20 minutes. This will increase your chances of winning. After the 20 minutes are up, please sit down and I will begin asking players to stand up and give their names. Are there any questions? You'll now have 20 minutes. Go!

- During the next 20 minutes, move around the room to assist the players. Every five minutes or so tell the players how many minutes are remaining in the game. Give the players a warning when just a minute or two remains. When the 20 minutes are up, stop the players and ask them to be seated.

### Part Two: PLAYING BINGO

Give the class the following instructions to play the game:

- When I point to you, please stand up and in a LOUD and CLEAR voice give us your name. Now, if anyone has the name of the person I call on, put a big "X" in the box with that person's name. When you get four names in a row—across, down, or diagonally—shout "Bingo!" Then I'll ask you to come up front to verify your results.
- Let's start off with you (point to a player in the group). Please stand and give us your name. (Player gives name. Let's say the player's name was "Joe.") Okay, players, if any of you have Joe's name in one of your boxes, go ahead and put an "X" through that box.
- When the first player shouts "Bingo," ask him (or her) to come to the front of the room. Ask him to give his name. Then ask him to tell the group how his bingo run was made, e.g., down from A to M, across from E to H, and so on.
- Now you need to verify the bingo winner's results. Ask the bingo winner to call out the first person's name on his bingo run. That player then stands and the bingo winner asks him the question which he previously answered during the 20-minute session. For example, if the statement was "can name two renewable sources of energy," the player must now name two sources. If he can answer the question correctly, the bingo winner calls out the next person's name on his bingo run. However, if he does not answer the question correctly, the bingo winner does not have bingo after all and must sit down with the rest of the players. You should continue to point to players until another person yells "Bingo."

**Looking for additional energy bingo? Check out *NEED's Games and Icebreakers* guide for additional bingo suggestions and other fun energy games to play in your classroom. Download the guide by visiting [www.NEED.org](http://www.NEED.org).**

# Virginia Energy Bingo - Answer Key

- A. Has visited a power plant in Virginia
- B. Knows the #1 source for electricity in Virginia
- C. Knows the importance of Bath County, Virginia, in terms of energy
- D. Uses a solar clothes dryer
- E. Knows where a wind energy research facility could be built in Virginia
- F. Can name both nuclear power plants in Virginia
- G. Can name two fossil fuels
- H. Can describe two ways to save energy at home
- I. Knows the average cost of a kilowatt-hour of electricity in Virginia
- J. Knows which light bulbs are least expensive when considering life cycle cost (purchase + electricity used)
- K. Has seen geothermal energy
- L. Knows how uranium atoms give off energy
- M. Can name two ways to improve a car's fuel efficiency
- N. Knows how natural gas is usually transported
- O. Knows the type of biomass used to provide utility-scale electricity most often in Virginia
- P. Can name two renewable energy sources

<b>A</b>  Share location / describe	<b>B</b>  1. Uranium / nuclear 2. Natural Gas 3. Coal	<b>C</b>  Contains one of the largest pumped storage hydroelectric facilities	<b>D</b>  Should describe a clothesline
<b>E</b>  Offshore along the continental shelf	<b>F</b>  North Anna, Surry	<b>G</b>  Coal, natural gas, petroleum, propane	<b>H</b>  Turn off lights, insulation, saving water, etc.
<b>I</b>  11.19 cents for residential customers in 2014	<b>J</b>  LED bulbs	<b>K</b>  Describe type and location	<b>L</b>  Nuclear fission
<b>M</b>  Maintain tire pressure, change air filter, remove excess weight, easy starts and stops, etc.	<b>N</b>  Pipeline	<b>O</b>  Waste-to-energy power plant	<b>P</b>  Biomass, Geothermal, Hydropower, Solar, Wind

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<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>
<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>
<b>M</b>	<b>N</b>	<b>O</b>	<b>P</b>