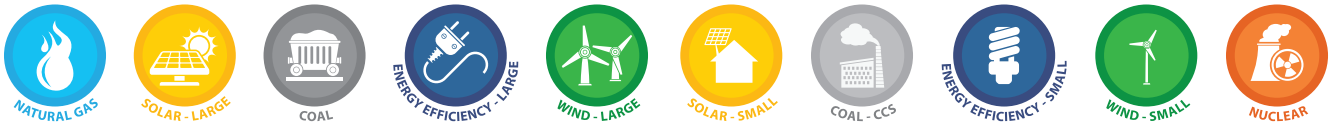
DIRECTIONS

1. Fill the grid with energy sources at the lowest total cost.
2. Energy sources must be horizontal and cover the entire grid. They can not go outside the grid. You may use any combination of energy sources.
3. TOTAL COST = (Purchase Cost) + (Annual Cost x 30) + (CO_2 x CO_2 Cost x 30)
4. The 1st round of the game will not have a CO_2 cost, so this will be zero.
5. Now, go GENERATE!

Cut or fold here

COMPLETELY COVER THE GRID
WITH ENERGY SOURCES

Cut or fold here



COMPLETELY COVER THE GRID
WITH ENERGY SOURCES

GENERATE! CREDITS INCLUDE ORIGINAL CONCEPT: C. ANDY MILLER; ORIGINAL DESIGN: BERNINE KHAN; GAME DEVELOPER: REBECCA DODDER;
OUTREACH COORDINATOR: KELLY LEOVIC; GRAPHIC DESIGN: CAMDEN WATTS, GARY PROHASKA AND DUSTIN RIEGO. WWW.EPA.GOV

Print x2 – Cut on dashed lines

NUCLEAR

2125

0

25

NUCLEAR

2125

0

25

NUCLEAR

2125

0

25

Print x6 – Cut on dashed lines

COAL

785

4.5

20

COAL

785

4.5

20

COAL

785

4.5

20

COAL

785

4.5

20

COAL

785

4.5

20

COAL

785

4.5

20

Print x4 – Cut on dashed lines

COAL -
EXISTING

0

4.5

20

COAL -
EXISTING

0

4.5

20

COAL -
EXISTING

0

4.5

20

COAL -
EXISTING

0

4.5

20

COAL -
EXISTING

0

4.5

20

COAL -
EXISTING

0

4.5

20

Print x6 – Cut on dashed lines

COAL - CCS

1170

0.5

25

COAL - CCS

1170

0.5

25

COAL - CCS

1170

0.5

25

COAL - CCS

1170

0.5

25

COAL - CCS

1170

0.5

25

COAL - CCS

1170

0.5

25

Print x2 – Cut on dashed lines

ENERGY EFFICIENCY - LARGE 80 0 0	ENERGY EFFICIENCY - LARGE 80 0 0
ENERGY EFFICIENCY - LARGE 80 0 0	ENERGY EFFICIENCY - LARGE 80 0 0
ENERGY EFFICIENCY - LARGE 80 0 0	ENERGY EFFICIENCY - LARGE 80 0 0
ENERGY EFFICIENCY - LARGE 80 0 0	ENERGY EFFICIENCY - LARGE 80 0 0
ENERGY EFFICIENCY - LARGE 80 0 0	ENERGY EFFICIENCY - LARGE 80 0 0
ENERGY EFFICIENCY - LARGE 80 0 0	ENERGY EFFICIENCY - LARGE 80 0 0

Print x4 – Cut on dashed lines

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

NATURAL GAS
105
1.2
10

Print x3 – Cut on dashed lines

WIND - LARGE

300
0
4

WIND - LARGE

300
0
4

WIND - LARGE

300
0
4

WIND - LARGE

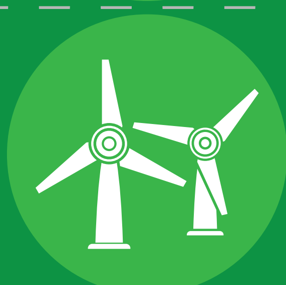
300
0
4

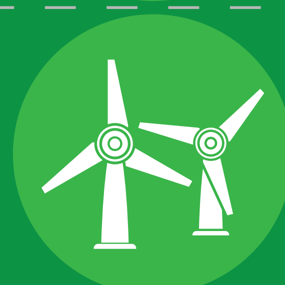
WIND - LARGE

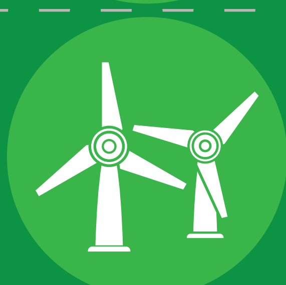
300
0
4

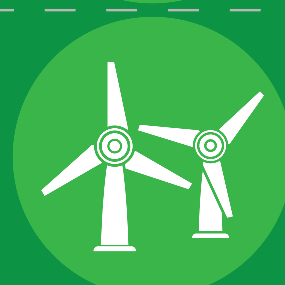
WIND - LARGE

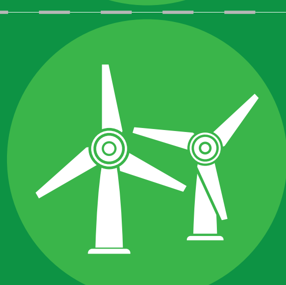
300
0
4

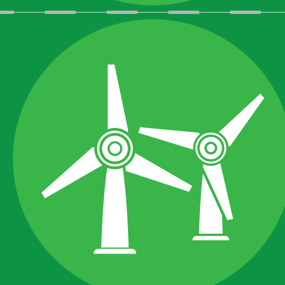
WIND - LARGE

300
0
4

WIND - LARGE

300
0
4

WIND - LARGE

300
0
4

WIND - LARGE

300
0
4

WIND - LARGE

300
0
4

WIND - LARGE

300
0
4

Print x2 – Cut on dashed lines

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

WIND - WITH BATTERY
375
0
4

Print x3 – Cut on dashed lines

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

SOLAR - LARGE
450
0
3

Print x2 – Cut on dashed lines

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

SOLAR - WITH BATTERY
560
0
3

Print x2 copy Cut on dashed lines

WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1
WIND	75	WIND	75	WIND	75	WIND	75
0	1	0	1	0	1	0	1

Print 1 copy – Cut on dashed lines

SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1
SOLAR	110	SOLAR	110	SOLAR	110	SOLAR	110
0	1	0	1	0	1	0	1

Print 1 copy – Cut on dashed lines

EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0
EE	20	EE	20	EE	20	EE	20
0	0	0	0	0	0	0	0