



2015 State Energy Efficiency Scorecard

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☆ Most Improved

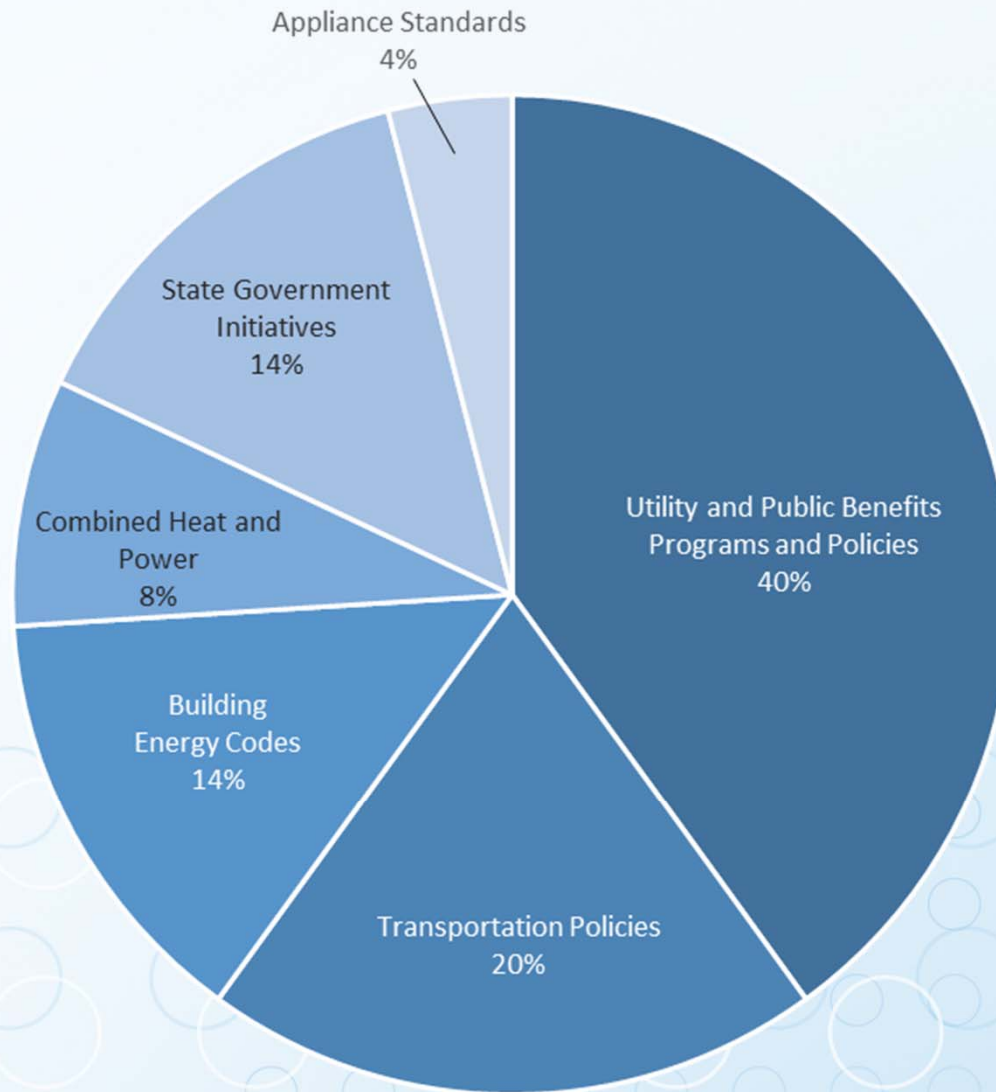
- Ranks 1 - 10
- Ranks 11 - 20
- Ranks 21 - 30
- Ranks 31 - 40
- Ranks 41 - 53

ACEEE
American Council for an Energy-Efficient Economy

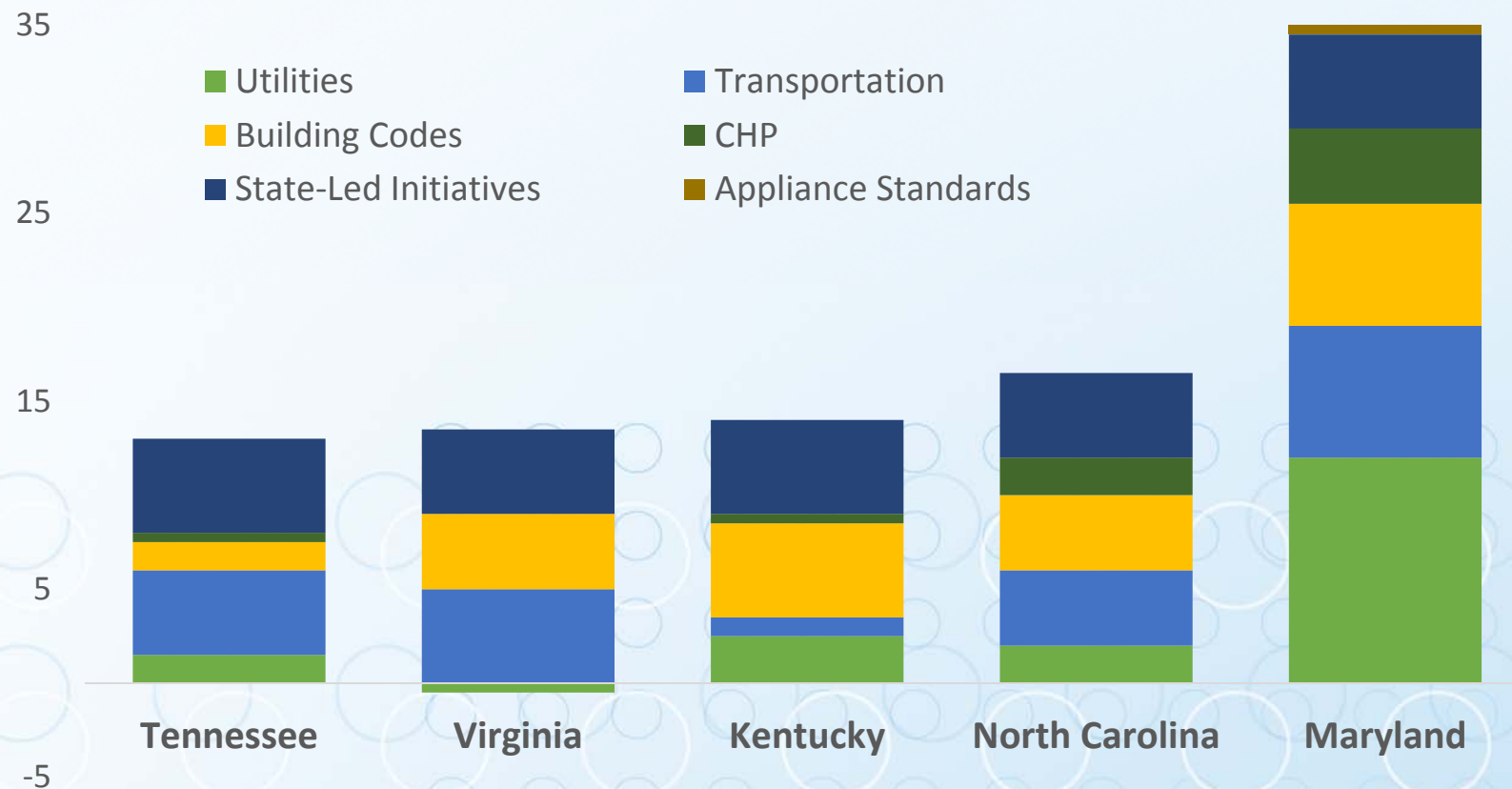
Top Ten*

Rank	State	Utility & public benefits programs & policies (20 pts.)	Transportation policies (10 pts.)	Building energy codes (7 pts.)	Combined heat & power (4 pts.)	State gov. initiatives (7 pts.)	Appliance efficiency standards (2 pts.)	TOTAL SCORE (50 pts.)	Change in rank from 2014	Change in score from 2014
1	Massachusetts	20	8.5	6	4	5.5	0	44	0	2
2	California	14	10	7	4	6.5	2	43.5	0	3
3	Vermont	19	7	6.5	2	5	0	39.5	0	2
4	Oregon	13	8	6.5	2.5	5.5	1	36.5	-1	-1
4	Rhode Island	20	5	5	3	3	0.5	36.5	-1	-1
6	Connecticut	15	6	5	3	5.5	1	35.5	0	0
7	Maryland	12	7	6.5	4	5	0.5	35	2	5
8	Washington	11	8	6.5	2.5	5	0.5	33.5	0	0
9	New York	10	8.5	5	3	6	0	32.5	-2	-2.5
10	Illinois	10	6	7	2	6	0	31	1	4
10	Minnesota	13.5	4	5.5	2	6	0	31	0	2
31	Virginia	-0.5	5	4	0	4.5	0	13	4	0.5

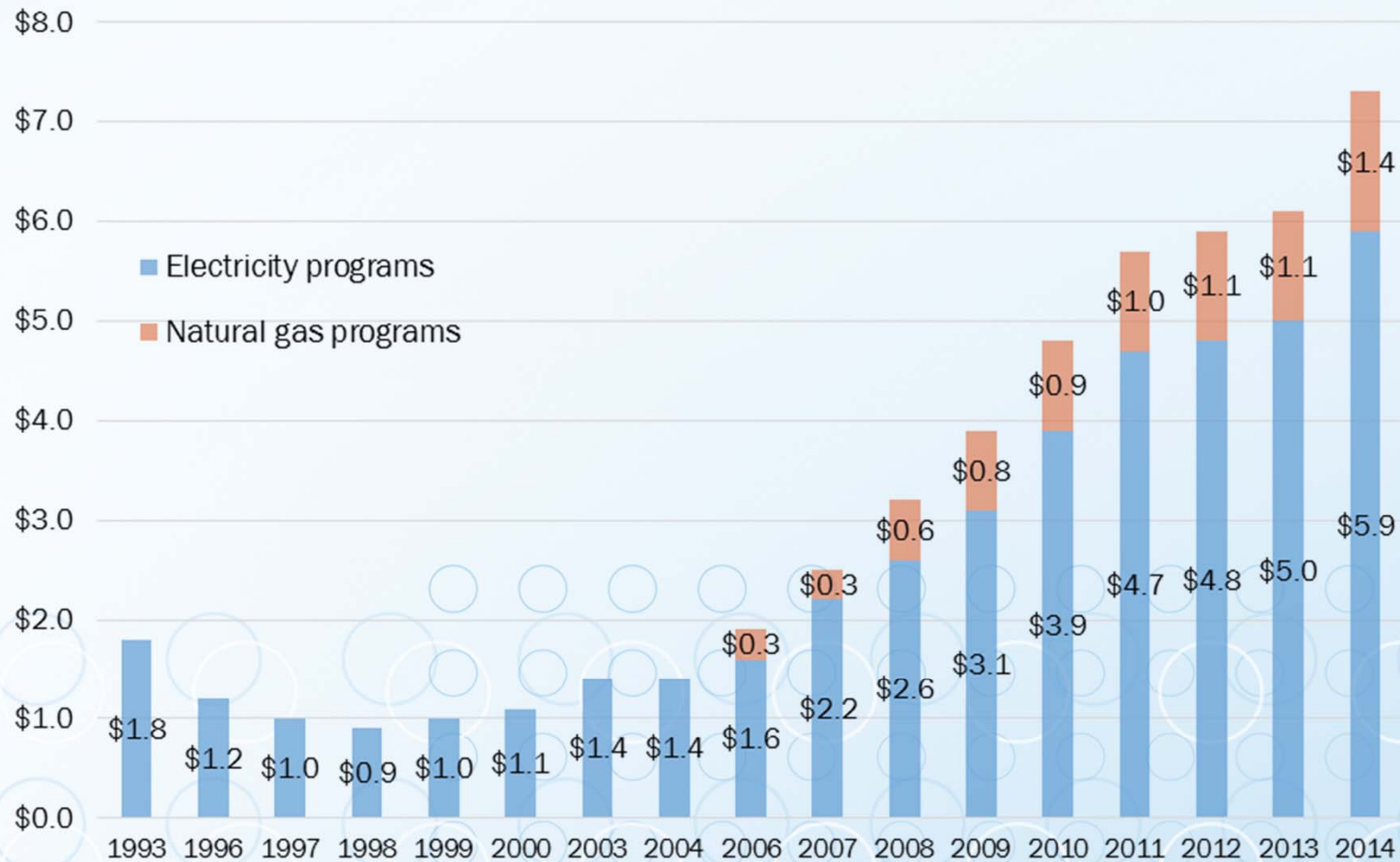
Policy Categories



How does Virginia stack up regionally?

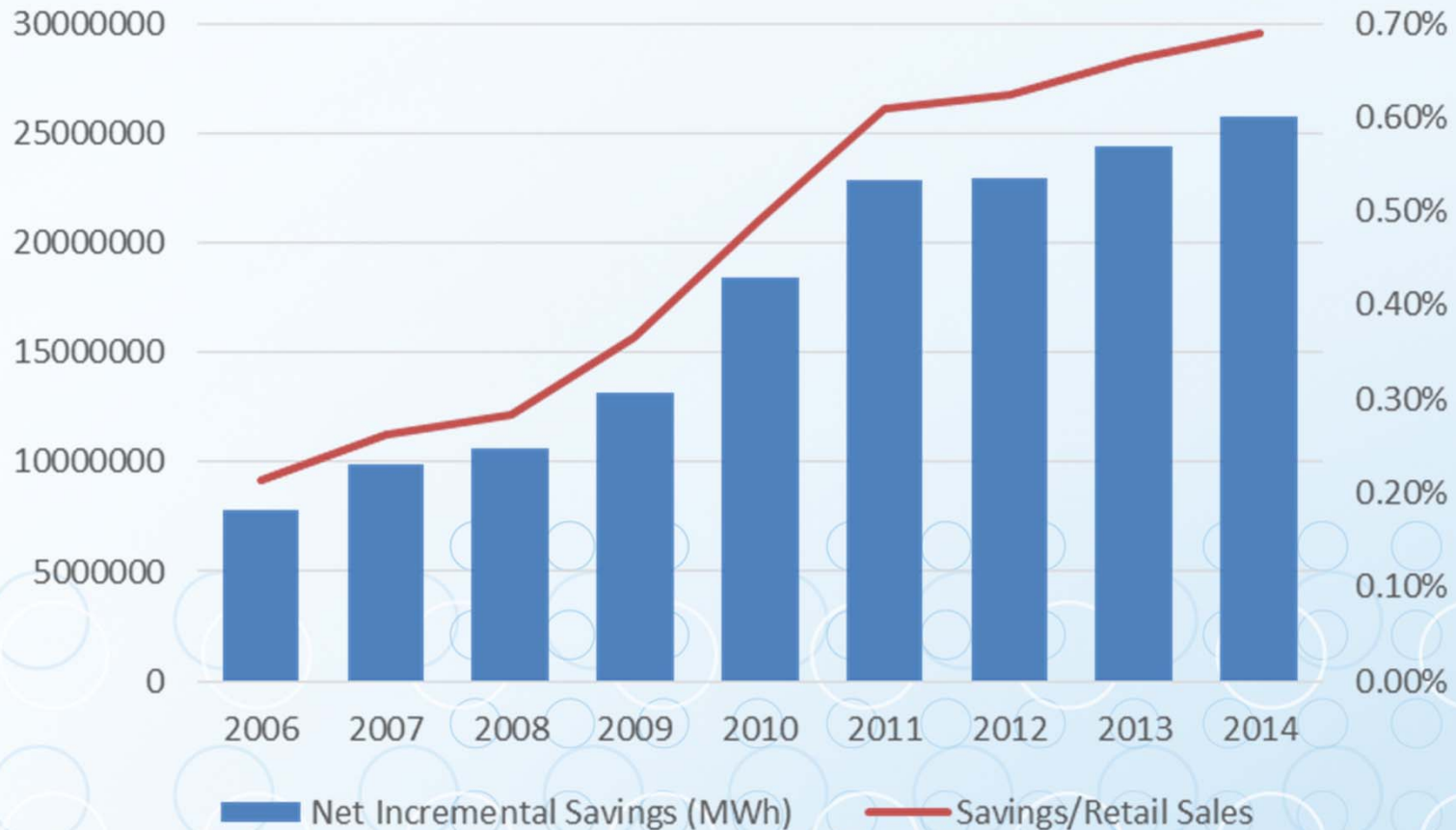


Key Findings: Utility Spending



Key Findings: Electricity Savings

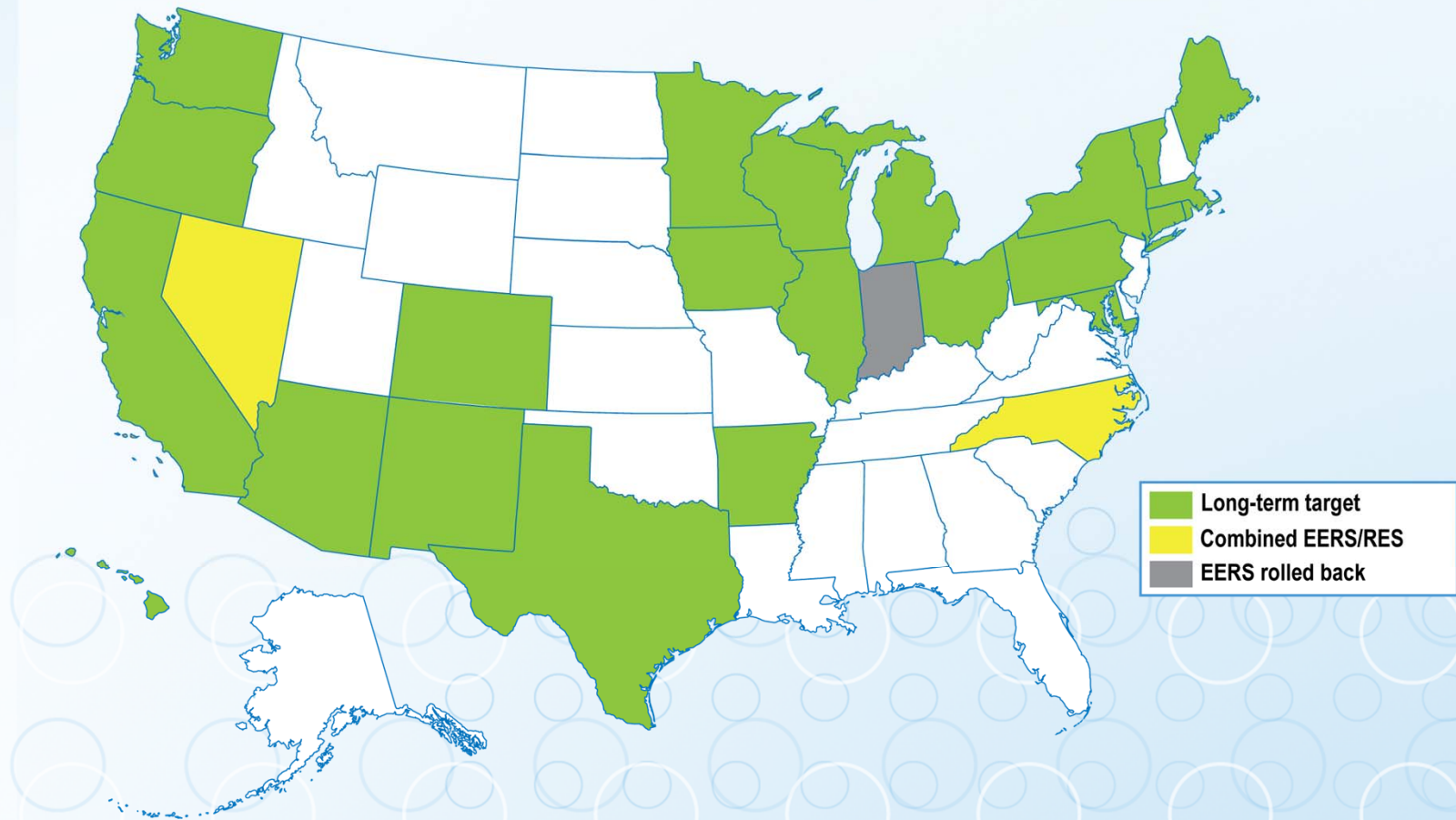
Net incremental savings (2014) = 25.7 million MWh (+6%)



Top Electricity Savings

State	2014 net incremental		Score (6 pts.)
	savings (MWh)	% of 2014 retail sales	
Rhode Island	268,468	3.51%	6
Massachusetts	1,339,026	2.50%	6
Vermont	102,770	1.85%	5.5
California	4,082,256	1.58%	4.5
Arizona	1,190,123	1.57%	4.5
Hawaii	144,240	1.53%	4.5
Michigan	1,386,912	1.35%	4
Connecticut	387,863	1.32%	3.5
Maryland	792,354	1.29%	3.5
Oregon	595,548	1.27%	3.5
Minnesota	824,756	1.22%	3.5
Maine	145,413	1.21%	3.5
Iowa	550,035	1.17%	3.5
Illinois	1,513,045	1.08%	3
Ohio*	1,565,049	1.05%	3
Washington	946,565	1.02%	3
New York	1,338,551	0.92%	2.5
Virginia	26,233	0.02%	-0.5

Key Findings: EERS



Why Are States Falling in the Rankings?

1. Outdated building energy codes
2. Large customers opt-out
3. Other states are ramping up

Opportunities

- Enforce energy savings target
- Engage large customers
- Update and enforce building codes
- Incentivize Combined Heat and Power

Results

- ✓ Meet Governor McAuliffe's 10% energy use reduction strategy
- ✓ Meet Virginia's emissions reduction target under the Clean Power Plan

Feedback and Questions

Contact Mary Shoemaker
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Point Breakdown

Policy areas and metrics	Maximum score	% of total points
Utility and public benefits programs and policies	20	40%
Spending on electricity efficiency programs	4	8%
Spending on natural gas efficiency programs	2	4%
Incremental savings from electricity efficiency programs	6	12%
Incremental savings from natural gas efficiency programs	3	6%
Large customer opt-out programs*	(-1)	NA
Energy efficiency resource standards (EERSs)	3	6%
Performance incentives and fixed cost recovery	2	4%
Transportation policies	10	20%
Greenhouse gas (GHG) tailpipe emissions standards	1.5	3%
Electric vehicle (EV) registrations	1	2%
High-efficiency vehicle consumer incentives	0.5	1%
Targets to reduce vehicle miles traveled	1	2%
Change in vehicle miles traveled	1	2%
Integration of transportation and land use planning	1	2%
Complete streets policies	1	2%
Transit funding	1	2%
Transit legislation	1	2%
Freight plans and energy efficiency targets	1	2%
Building energy codes	7	14%
Level of code stringency	4	8%
Code compliance study	1	2%
Code enforcement activities	2	4%
Combined heat and power	4	8%
Interconnection standards	0.5	1%
Policies to encourage CHP as a resource	2	4%
Additional incentives for CHP	0.5	1%
Additional policy support	1	2%
State government initiatives	7	14%
Financial incentives	2.5	5%
Energy disclosure policies	1	2%
Lead-by-example efforts in state facilities and fleets	2	4%
Research and development	1.5	3%
Appliance and equipment efficiency standards	2	4%
Maximum total score	50	100%