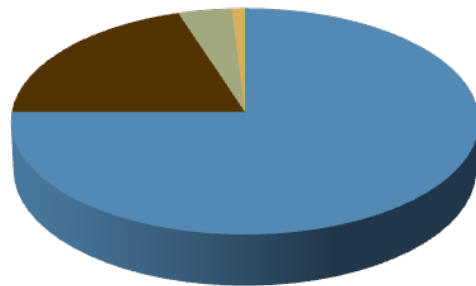


# DIVERSIFYING: A PORTFOLIO APPROACH

The Business of Clean Energy in Alaska, May 2009

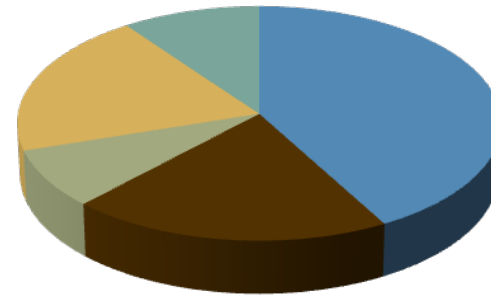
# WHAT DOES BALANCE LOOK LIKE?

TODAY



- Coal
- Nuclear
- Natural Gas
- Wind & Hydro

2030



- Coal
- Nuclear
- Natural Gas
- Wind & Hydro
- EE

# THE TOOLKIT

**EFFICIENCY**



**WIND**

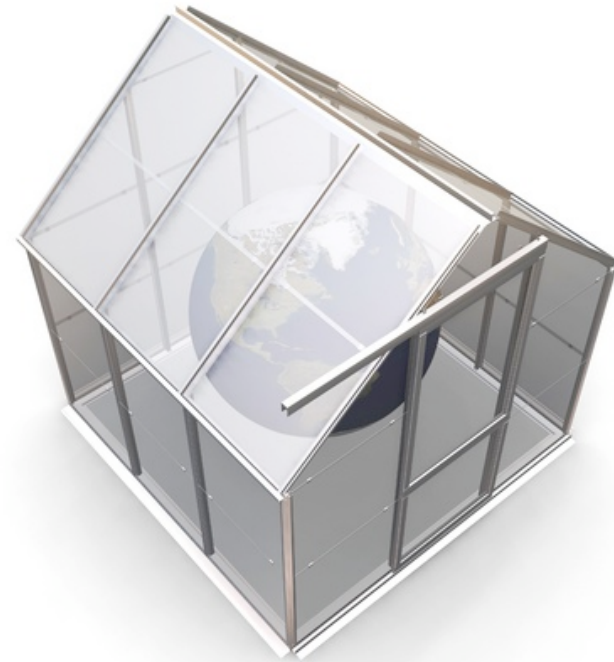


# WIN/WIN/WIN

## Energy Challenge



## Climate Challenge





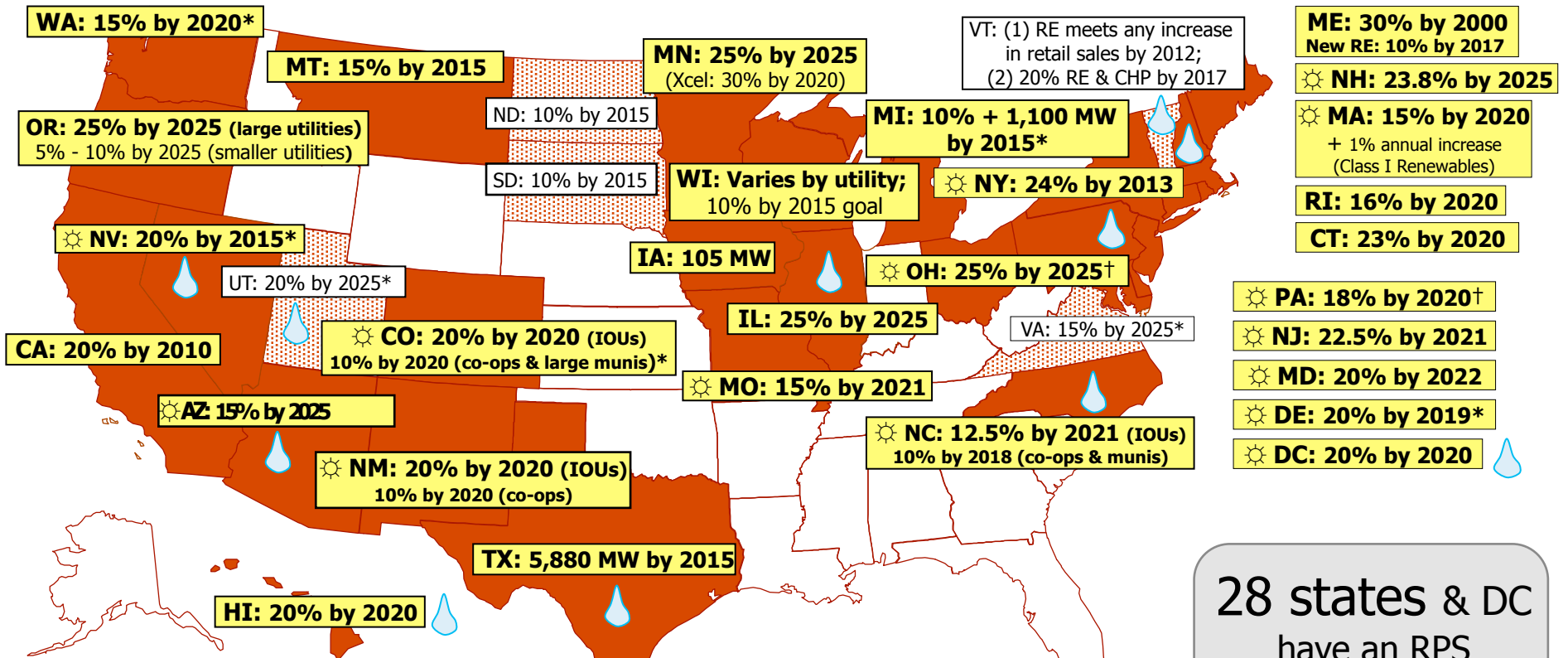
**GOOD FOR KANSAS**




[climateandenergy.org](http://climateandenergy.org)




[windenergyworks.org](http://windenergyworks.org)

# Renewable Portfolio Standards

[www.dsireusa.org](http://www.dsireusa.org) / May 2009



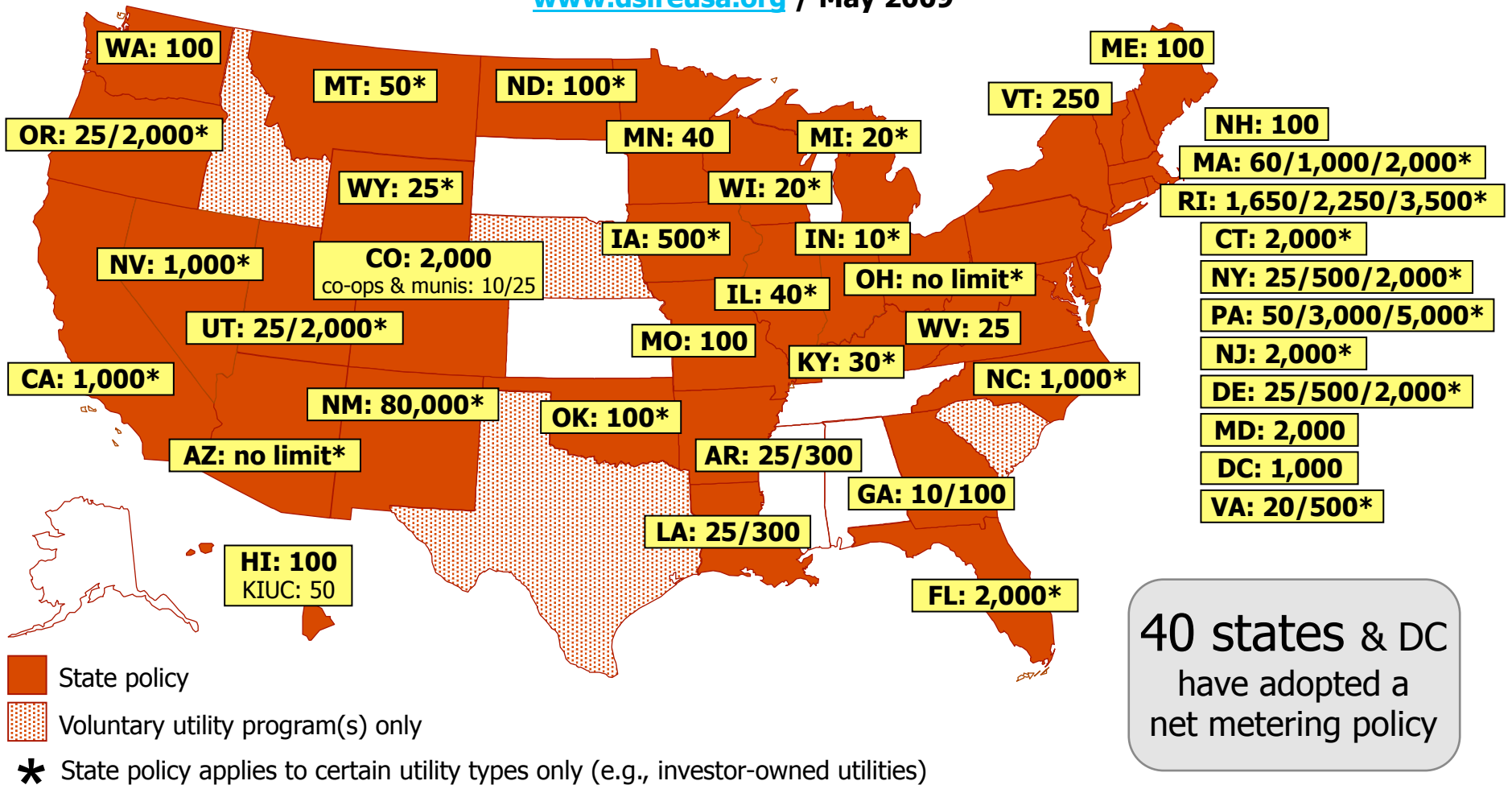
-  State renewable portfolio standard
-  State renewable portfolio goal
-  Solar water heating eligible

-  Minimum solar or customer-sited requirement
-  Extra credit for solar or customer-sited renewables
-  Includes separate tier of non-renewable alternative resources

**28 states & DC**  
have an RPS  
*5 states have goals*

# Net Metering

[www.dsireusa.org](http://www.dsireusa.org) / May 2009



Note: Numbers indicate system capacity limit in kW. Some state limits vary by customer type, technology and/or system application. Other limits might also apply.

# The Conservation Plan



Base House: 2400 sq ft, R-7 Attic, 0 Wall Insulation, High Air Leakage, 64% Furnace, 6 SEER A/C

Option 1: New 92% Furnace/14 SEER AC at **\$7,200**

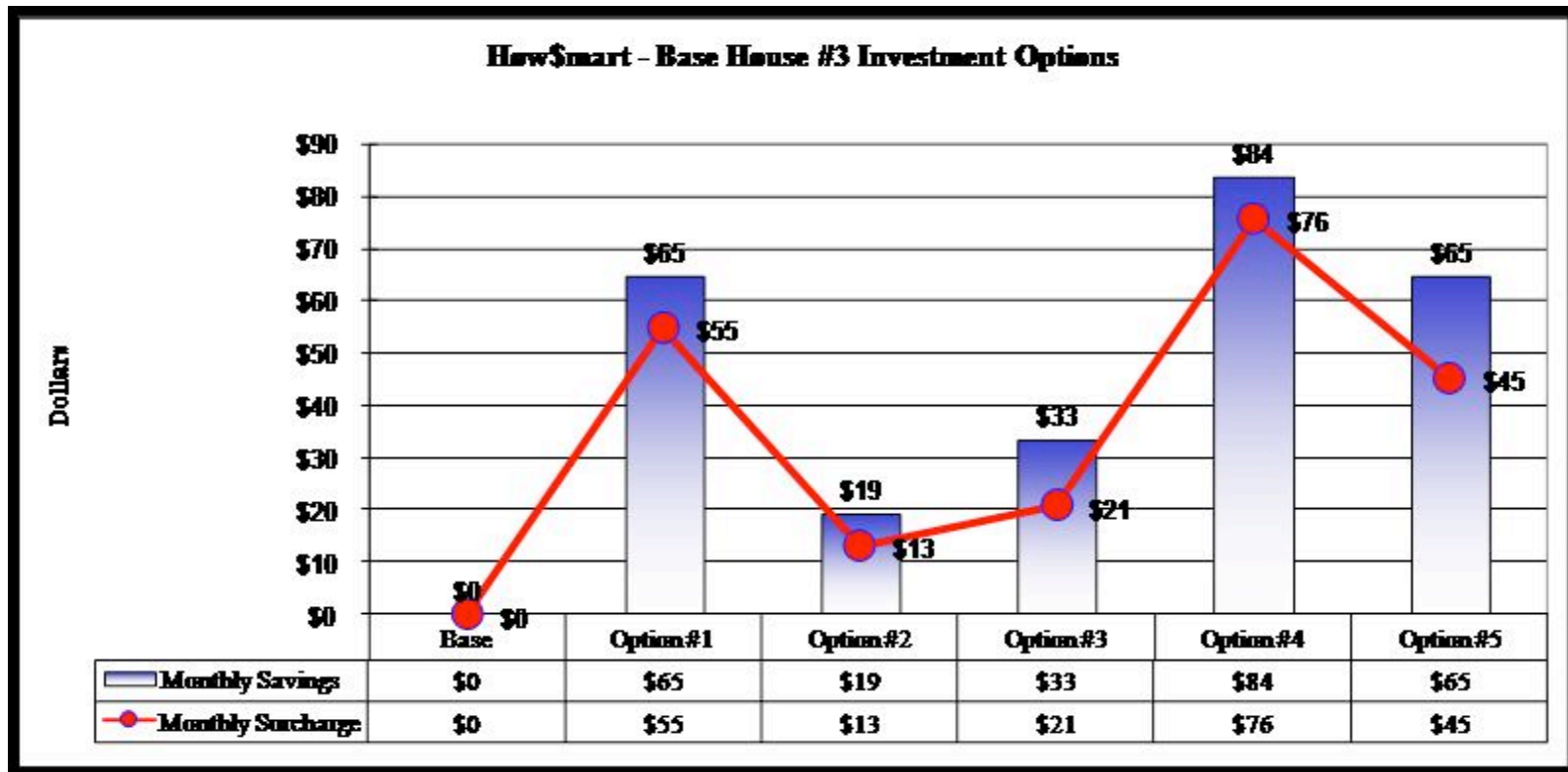
Option 4: All Measures at **\$11,000**

Option 2: R-38 Attic Insulation at **\$1,700**

Option 5: Option 1 with \$1k contribution from owner

Option 3: R-38 Attic, Air Sealing at **\$2,700**

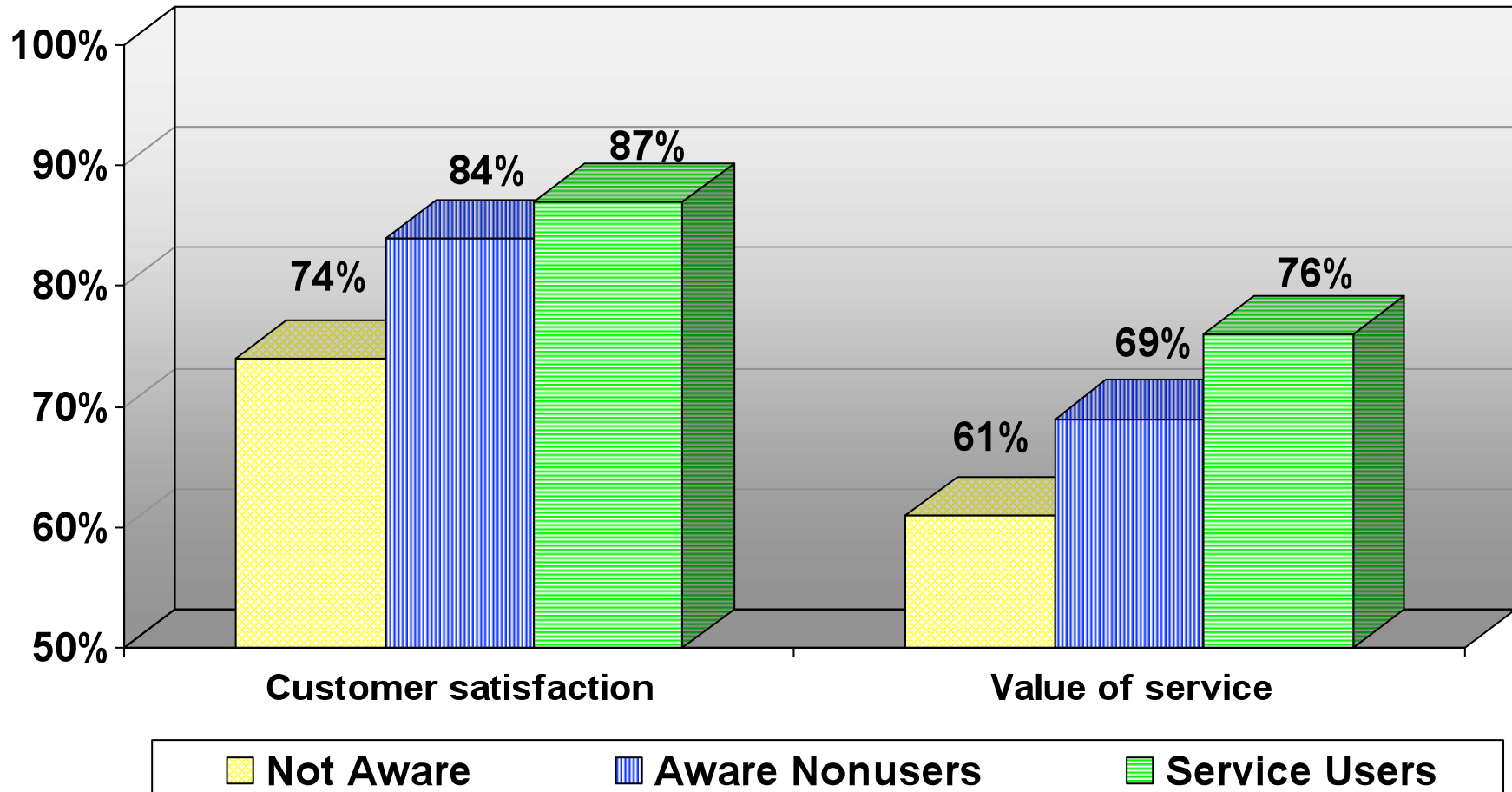
Term: 15 years at 4.0% + 5% program fee



# Energy Services



## Overall Satisfaction and Value Perception



***Customers responding somewhat or very high (8-10 ratings)***

# POLICIES THAT WORK

- Building Standards
- Appliance Standards
- Appliance Rebates
- Efficiency Standards
- Decoupling
- Utility Incentives
- Public Benefit Funds
- Third-Party EE Providers
- Renewable Energy Standard
- Community Based Energy Development
- Clean & Renewable Energy Bonds
- Production Tax Credit
- Net metering/feed-in tariff

# WHO CAN DELIVER THEM?



- President-elect Barack Obama
  - ▣ Dr. Steven Chu, Department of Energy
  - ▣ Lisa Jackson, EPA
  - ▣ Carol Browner, Energy Coordinator
- Henry Waxman, Chair, House Energy & Commerce
- Jeff Bingaman, Chair, Senate Energy & Nat Res
- Ed Markey, Chair, Select Committee for Energy Independence and Global Warming
- **Senator Lisa Murkoswki**
- **Governor Sarah Palin**





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- [www.climateandenergy.org](http://www.climateandenergy.org)