

# Developing Opportunities For National Clean Energy Networks to Engage in Virginia

**Presentation to the Virginia Energy Efficiency Council**

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# National Clean Energy Networks

- **Chambers for Innovation and Clean Energy**
- **The Alliance for Industrial Efficiency**

# Who We Are

Chambers for Innovation and Clean Energy is a national network of local chambers of commerce dedicated to helping local chambers and their member companies successfully navigate and prosper in the clean energy space.



*"CICE is a very earnest and sincere effort to take best practices and scale them wherever they can be scaled so we can address our job as chambers of commerce in our communities to be ahead of what businesses need and make sure we have reliable, affordable, sustainable energy."*

- Doug Luciani, CEO, Traverse City Area Chamber of Commerce

# What We Do

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When local chambers join our no-cost network, they gain access to these and other benefits:

- Valuable access and information on clean energy
- Ready-made services for their member businesses
- Connections to like-minded colleagues
- Visibility for their clean energy initiatives

# CICE in Virginia

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Local Virginia chambers agree:

It makes good economic sense for Virginia to move forward with a plan to increase the use of clean energy.

Do you agree it makes good economic sense for Virginia to move forward with a plan to increase the use of clean energy?

☒ YES      ☐ NO      ☐ I DON'T KNOW  
x1000000 times yes!

# CICE in Virginia

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CICE connects local VA chambers with policy briefing opportunities. During a recent briefing call with Governor McAuliffe's Energy and Infrastructure Advisor, local chambers learned:

- The state is well poised for economic opportunities from clean energy investments
- Companies such as Amazon, Google and Microsoft are seeking more renewable energy to power their data centers.
- Virginia is a prime location to attract this new source of economic development



# CICE in Virginia

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CICE will continue to educate local chambers in Virginia on the economic development opportunities of clean energy, and is working to partner with VACCE and the Military for an upcoming summer event.





# To Learn More

Connect with us on Facebook, Twitter & LinkedIn:



@chambersinnov8

Facebook.com/chambersforinnovation

Linkedin.com/company/chambers-for-innovation-and-clean-energy

Or visit [www.chambersforinnovation.com](http://www.chambersforinnovation.com)



# **The Alliance for Industrial Efficiency: Opportunities in Virginia**

# Agenda

- Who is the Alliance?
- CHP offers tremendous benefits to manufacturers, the public & utilities
- Significant potential remains
- How Alliance works to overcome barriers
- Clean Power Plan provides an opportunity to encourage deployment



# The Alliance for Industrial Efficiency?

## Who We Are

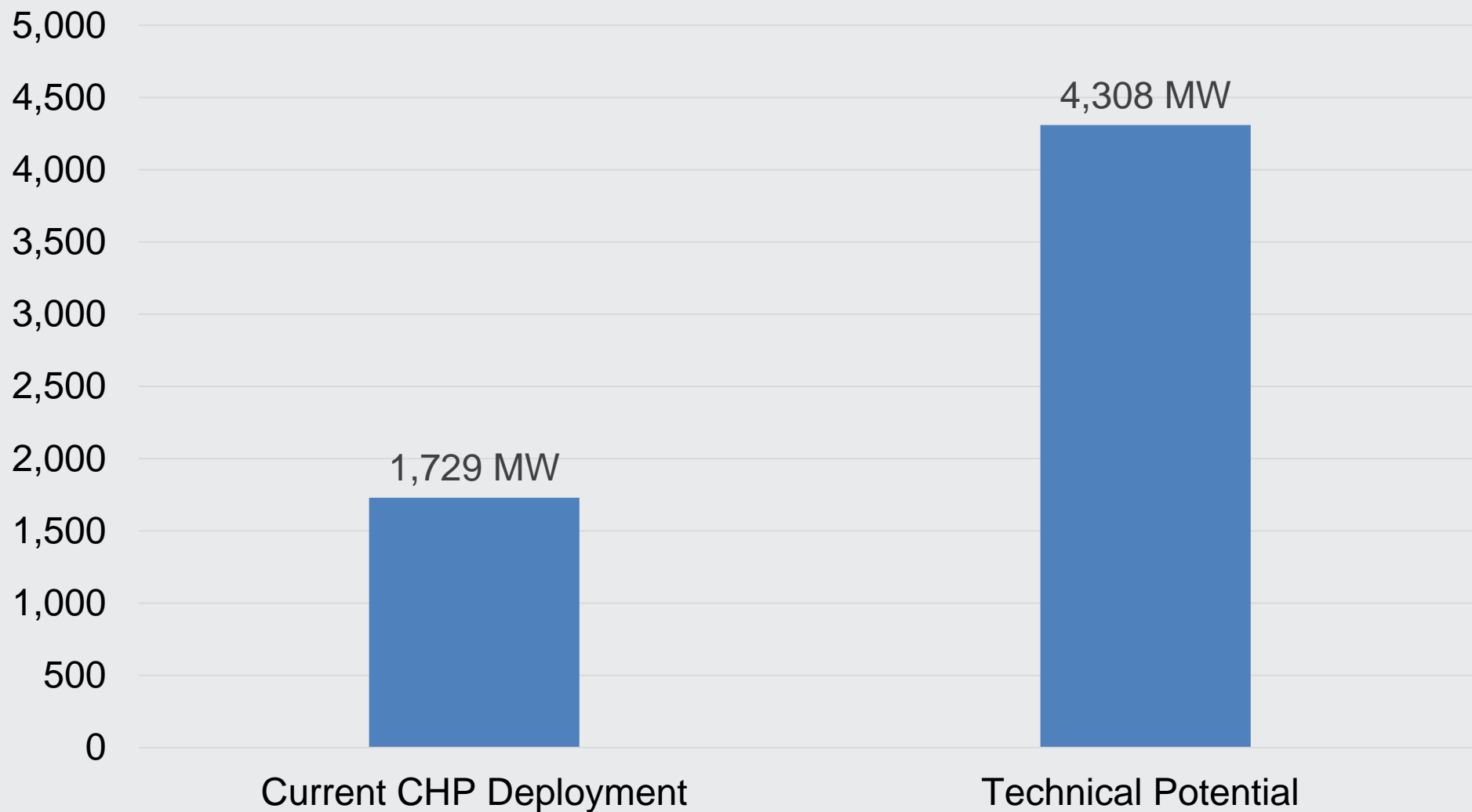
The Alliance for Industrial Efficiency is a coalition of business, labor, and non-profit organizations who advocate for policies to increase U.S. manufacturing competitiveness through industrial energy efficiency, especially the use of Combined Heat and Power (CHP) and Waste Heat to Power (WHP).

## What We Do

- Federal legislative policy (e.g., tax credits)
- Administration (e.g., Clean Air Act rules, use at federal facilities)
- State utility policy (standby rates, interconnection, CPP implementation)

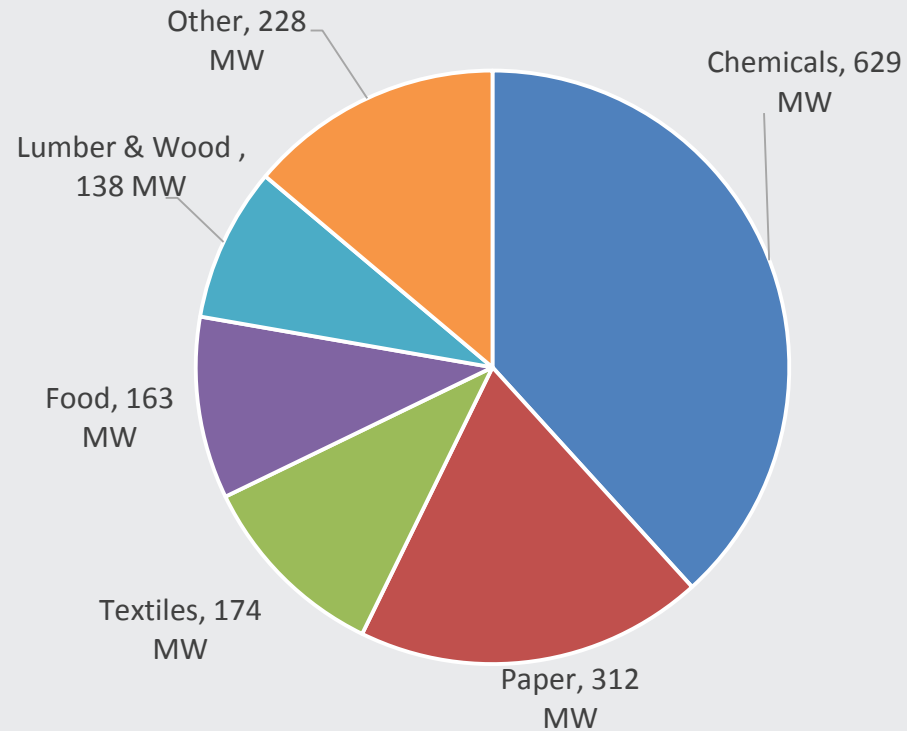


# Virginia's CHP Potential

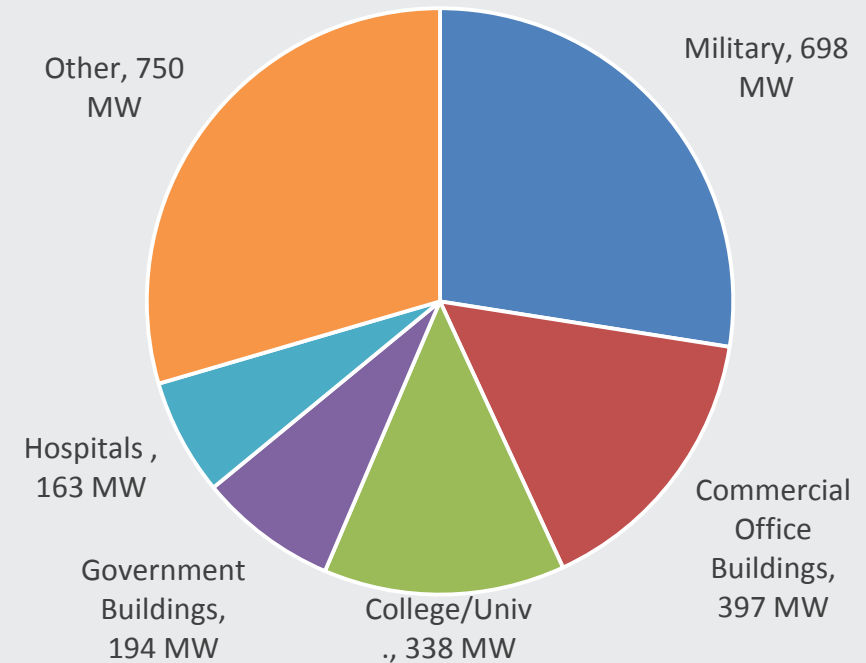


# CHP Technical Potential in Virginia by Sector

Top Industrial Types with On-Site CHP Technical Potential



Top Commercial Business Types with On-Site CHP Technical Potential



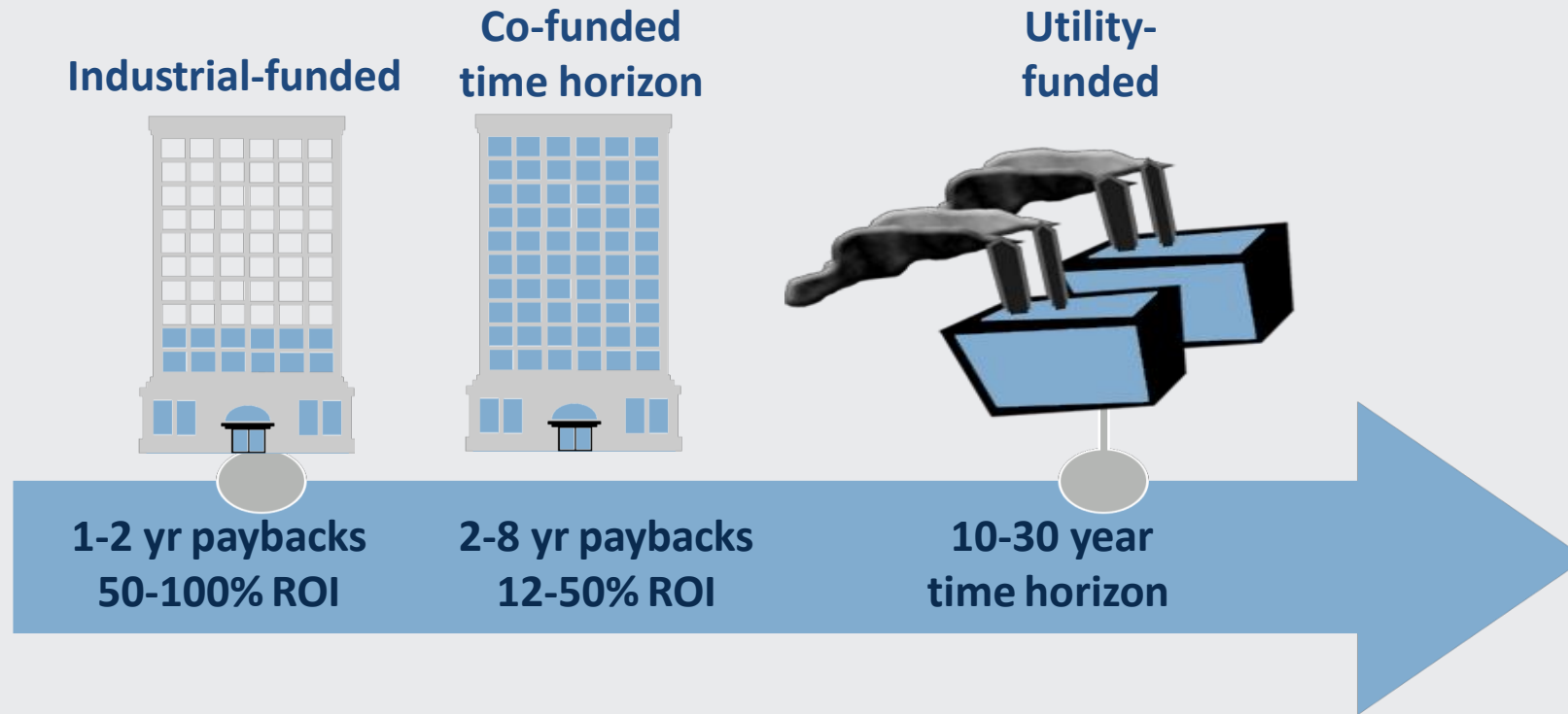
# Why More Businesses Do Not Invest in CHP

- Economics not right
- Competing for capital
- Lack of knowledge
- Utility barriers (interconnection, standby rates)





# Barriers & Opportunities

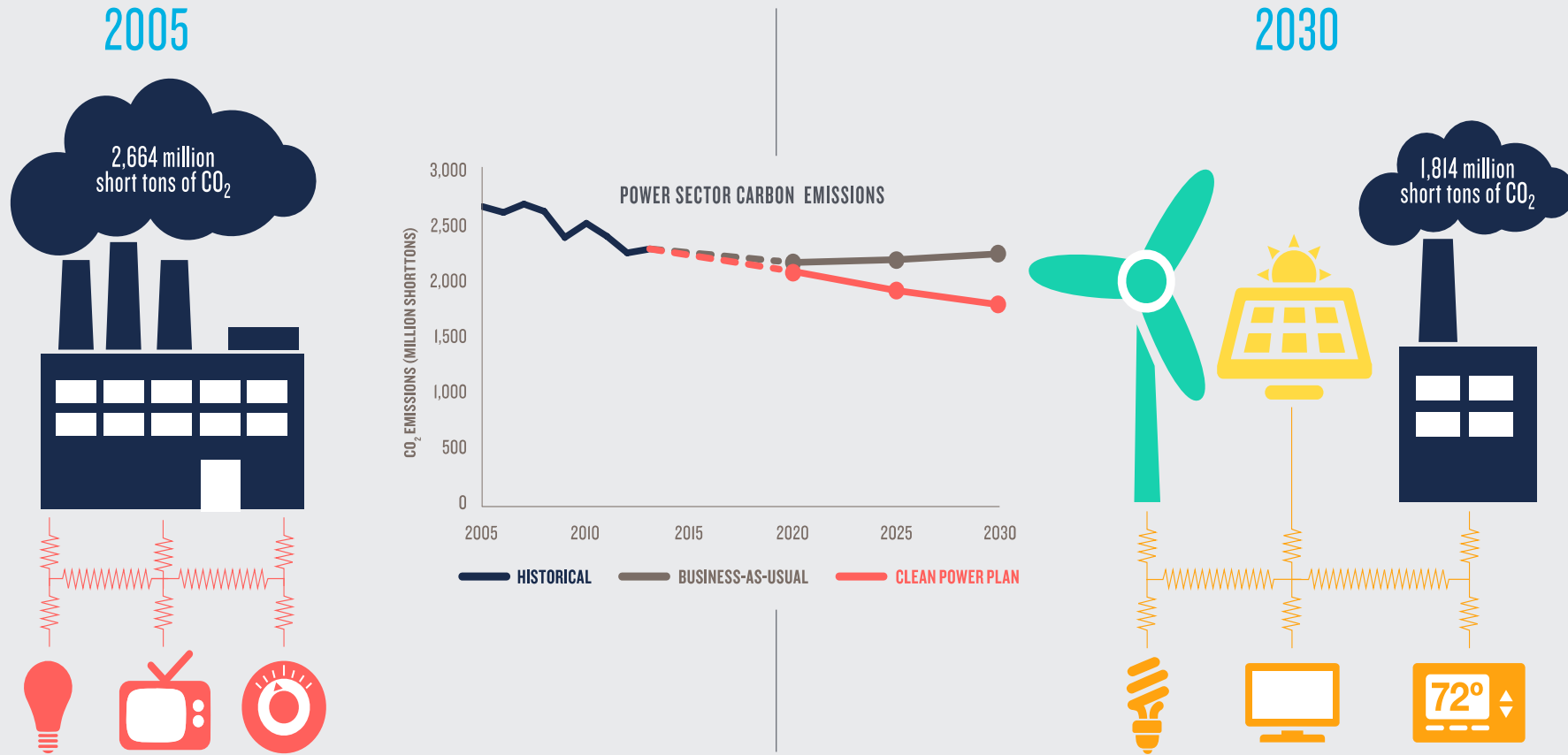


*Source: Schlegel and Associates, 2015*

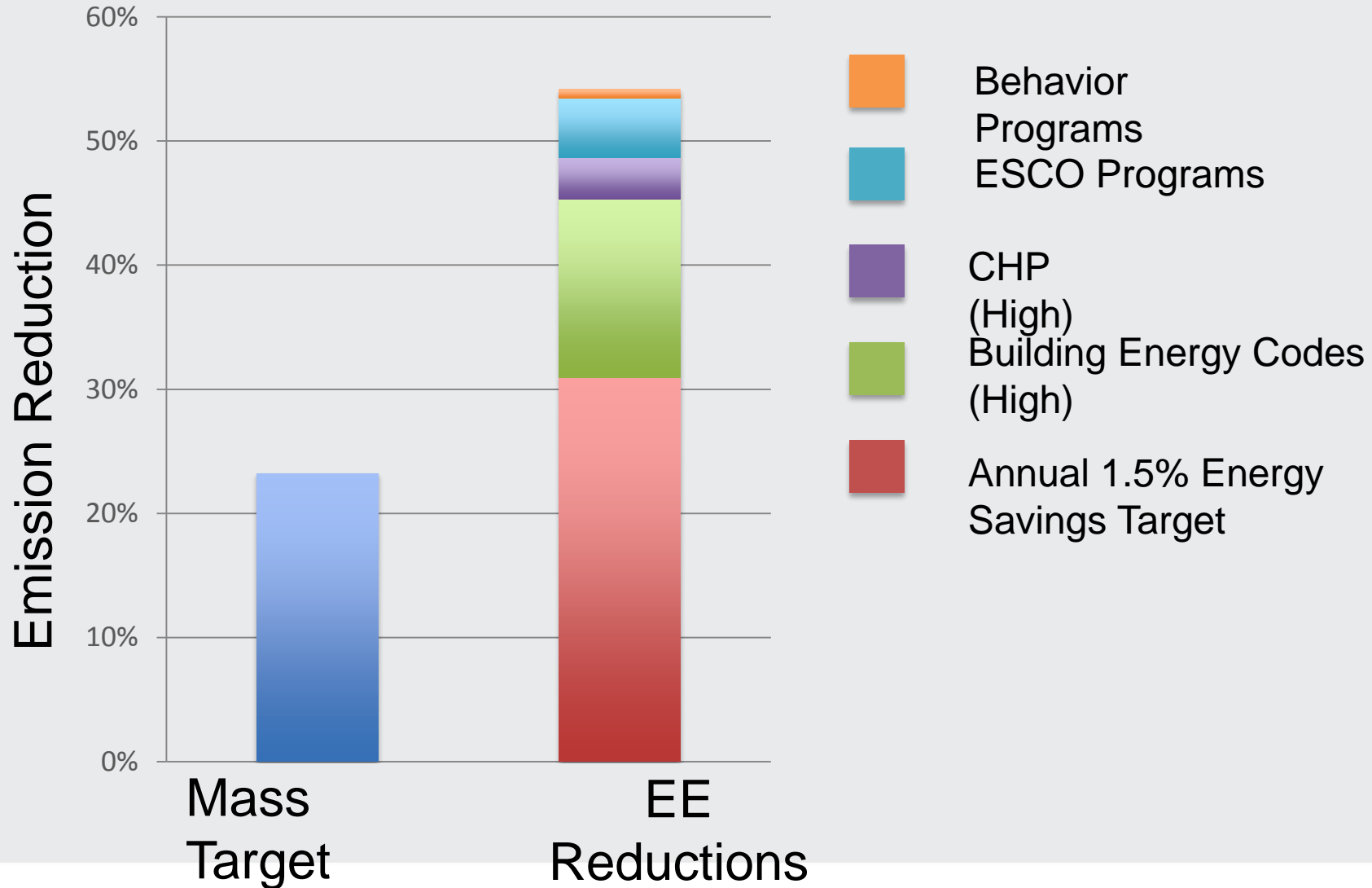


# POWER SECTOR CARBON EMISSIONS

The Clean Power Plan should reduce power plant carbon pollution 32% below 2005 levels in 2030.



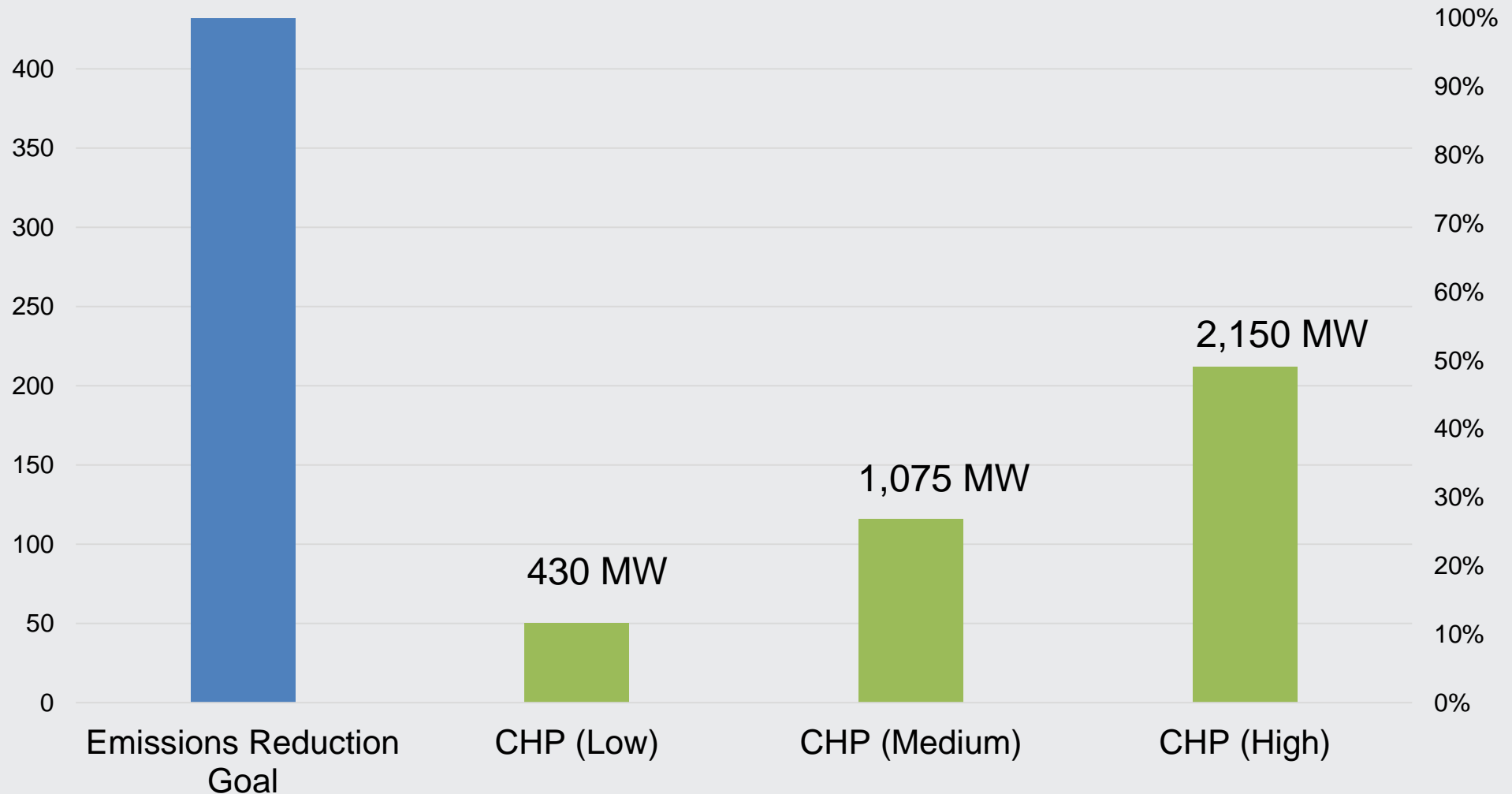
# Energy Efficiency Helps Virginia Achieve CPP Targets



Source: ACEEE's SUPR-2 Calculator



# CHP & the Clean Power Plan in Virginia under a Rate-Based Plan



Source: ACEEE's SUPR-2 calculator



# Conclusion

- Alliance for Industrial Efficiency is committed to advancing CHP and WHP
- CHP benefits Virginia's manufacturers, the public & utilities
- Virginia should adopt policies to overcome barriers
- CPP provides a vehicle for these policies
- The Alliance would love to partner with Virginia EE Council to advance CHP in Virginia





<http://alliance4industrialefficiency.org/>

Follow us on twitter at [@AllianceIndEff](https://twitter.com/AllianceIndEff)

Or contact Alliance Director Jennifer Kefer

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# Thank You!

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