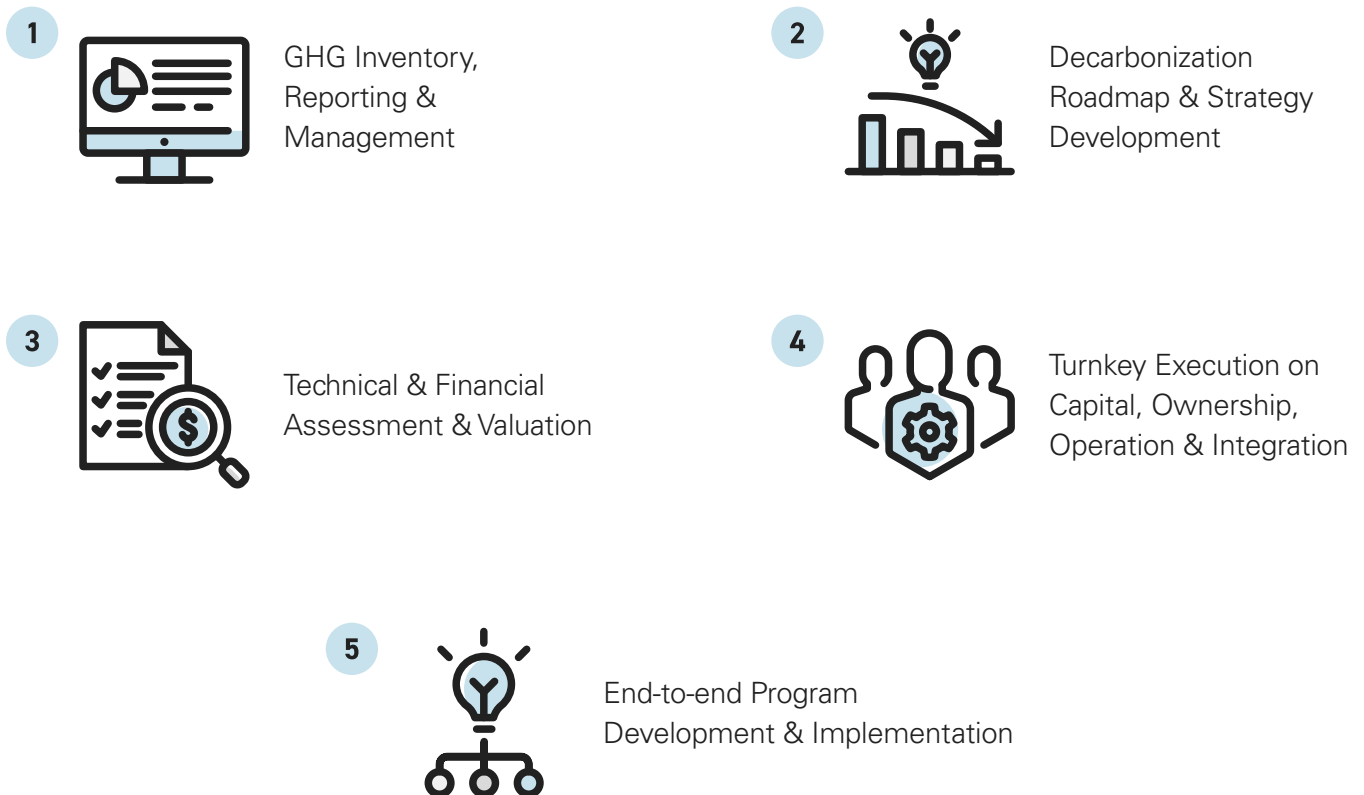# Decarbonization Services

Energy Sustainability

Increasingly, environmental, sustainability, and governance (ESG) is at the center of corporate strategy. In this light, carbon can be seen as a financial and reputational liability. Consequently, stakeholder demands for sustainability and decarbonization are driving the need for the development of a roadmap to successfully meet emissions reduction commitments, while balancing cost and reliability.

Our Solution: Decarbonization Roadmap

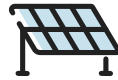## End-to-end service for all of your carbon reduction needs.

AEP Energy is a leader with national presence in the carbon emission reduction space, including renewable energy solutions, energy efficiency programs and electrification services to enhance your sustainability and decarbonization efforts, wherever you are on your journey.

AEP Energy works with you to develop a roadmap that fits your organization needs and goals across your portfolio and delivers reports that prioritize options.

1 GHG Inventory, Reporting & Management

2 Decarbonization Roadmap & Strategy Development

3 Technical & Financial Assessment & Valuation

4 Turnkey Execution on Capital, Ownership, Operation & Integration

5 End-to-end Program Development & Implementation

Our Results: Superior insights. Sustainable solutions. Brighter future.

We partner with you to assess a range of discrete options to form integrated solutions and results in an optimized approach. Each option has varying complexity, emissions impact, feasibility and economic viability profiles.

	Energy Conservation Measures	Electrification	Onsite Renewables	Renewable Energy Credits & Offsets	Offsite Renewables
Site 1 (industrial)	• 2%-5% energy reduction to baseline • 90-200 MT CO_2/YR reduction potential • $2-$4 per MT reduction in cost	• Energy reduction potential to baseline is process-dependent • $3 per MT reduction to $15 per MT in cost	• Minor reduction potential compared to baseline	• 100% electricity; 12% energy - reduction potential to baseline • 4,400 MT CO_2/YR reduction potential • $2 per MT in cost	• 100% electricity; 12% energy - reduction potential to baseline • 4,400 MT CO_2/YR reduction potential • $1 per MT in cost
Site 2 (commercial)	• 20%-25% energy reduction potential to baseline • 80-100 MT CO_2/YR reduction potential • $2-$4 per MT reduction in cost	• 9% energy reduction potential to baseline • 35 MT CO_2/YR reduction potential • $5 per MT in cost	• Up to & over 100% electricity; 50% energy reduction potential to baseline • 400 MT CO_2/YR reduction potential • $4 per MT in cost	• 100% electricity; 50% energy - reduction potential to baseline • 400 MT CO_2/YR reduction potential • $2 per MT in cost	• 100% electricity; 50% energy - reduction potential to baseline • 400 MT CO_2/YR reduction potential • $1 per MT in cost

Who is AEP Energy?

AEP Energy delivers excellence in customer experience through world-class advisory and program management services with integrity, innovation and transparency to empower organizations to achieve optimal energy sustainability and cost control outcomes.

Why choose us?

We are an advisory and program management practice formed from the roots of an energy company. With many years of experience, our energy experts are not merely observers, advisors or administrators, but participants who partner with your business.

LEARN MORE | Contact Brandi Nye at bnye2@aepenergy.com or call 312-488-2223 to discuss how your business may benefit from our energy services. **AEPenergy.com**

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