APEX ANALYTICS

WHAT IS DATA SCIENCE
for energy efficiency?

3
core elements

Your Critical Questions

AGILITY

▶ **DATA TRANSFER**
Set up data pipelines to facilitate the ongoing transfer of program, device, or energy data

▶ **AUTOMATION**
Automate data transformation, storage, processing, and analysis to the greatest extent possible to rapidly return insights

▶ **EVOLUTION**
Continually revisit the data transformation pipeline to respond to new business and program questions

EXPERTISE

▶ **DOMAIN KNOWLEDGE**
Approach the data with deep understanding of energy efficiency technology and behaviors

▶ **RESEARCH METHODS**
Employ machine learning and statistical modeling to enhance program operations, informed by experimental design principles

▶ **PERSONAL ATTENTION**
Explore the data and analysis results to generate new hypotheses and pursue answers

COMMUNICATION

▶ **STAKEHOLDER DISCUSSION**
Speak directly with invested parties about findings so that they can take action and ask new questions

▶ **DATA VISUALIZATION**
Present results so that they are compelling and interpretable by staff

▶ **CLEAR DIRECTION**
Utilize metrics and language that provide meaningful guidance for program staff or business operations