

## **CII's Data Warehouse: Analytics in the Pursuit of Capital Efficiency**

*(Data Analytics Community for Business Advancement)*

*CII's Data Warehouse is a first-of-its-kind data analytics, benchmarking, and research platform, built especially for the Pursuit of Capital Efficiency. The Data Warehouse brings more than two decades of CII's performance assessment research into the high-performance computing, big data era, preparing to analyze more projects than ever with a greater richness of detail. It is fundamental to CII's Capital Efficiency research program as it supports both traditional and innovative approaches to measurement, predictability, and assessment. Breakthroughs in predictive capacity can be achieved by employing artificial intelligence in innovative ways, starting with solid statistical principles and high-quality data, hallmarks of the CII legacy.*

*CII's Data Warehouse is hosted at the Texas Advanced Computing Center (TACC). The extraordinary resources of TACC are powering the data renaissance at CII and in our industry. Most importantly, these data cannot be sold. Precisely because CII is a not-for-profit headquartered at a leading public university, it is the very best place for your data to reside.*

*With the launch of the Data Warehouse, there are immediate opportunities for members to get value in their own pursuit of Capital Efficiency. The Data Analytics CBA is pleased to present this valuable tool and is announcing a data collection campaign, along with training and other resources to get started, including the CII Integration Toolkit. This toolkit, which is an easy-to-use Excel template, assists participants in rapidly mapping their data for measurement within the Data Warehouse. It offers a quick-start method to get results and immediate insights, as well as a structured process for increased automation and greater volumes of analytics over time.*

### **Presenters**

**Katy Johansson** – Benchmarking Global Technology Sponsor, Project Services Division, ExxonMobil Corporation

**Collin Tsui** – Construction Engineer, Fluor Corporation

**Brian Kong** – Engineering, U.S. Department of Energy

**Deborah DeGezelle** – Manager of Information Services, CII