# Applying Business Intelligence for Data-Driven Decisions

Panelists: Jayson Brennen Bryan Cully

FYI in 45

Moderated by: Andrew Beaton

May 15, 2019

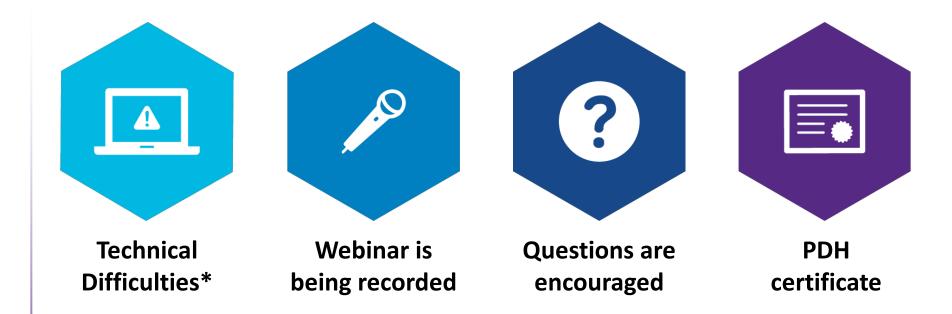


#### CDM Smith

#### Today's Discussion

- The basics of business intelligence and key benefits of unlocking its power
- A step-by-step look into the implementation process
- A deep-dive into intelligent dashboards and other data visualization tools on the market
- Trends and future predictions straight from the minds of our industry experts

#### Before We Begin...



<sup>\*</sup> Contact our webinar producer: Danielle Jackson

#### **Our Panel**



Jayson Brennen, GISP
Senior GIS & Technology Specialist



**Bryan Cully, PE**Program Manager



## Strategies for Making Better Use of Data



#### Strategies for Making Better Use of Data





#### **Evolution of Understanding Data**



#### How are Organizations Employing BI?



Organizational Resiliency & Efficiency



Capital Planning,
Reporting & Compliance



Program Management & System Operations

## Misconceptions

"This isn't doable at my utility."

#### Misconceptions

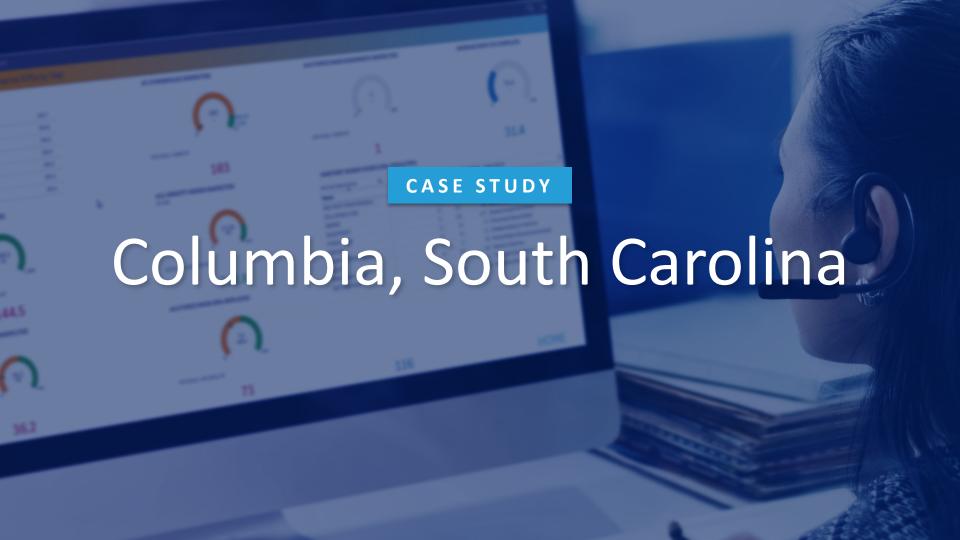
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"I already have all this data, so why do I need more systems for analysis?"

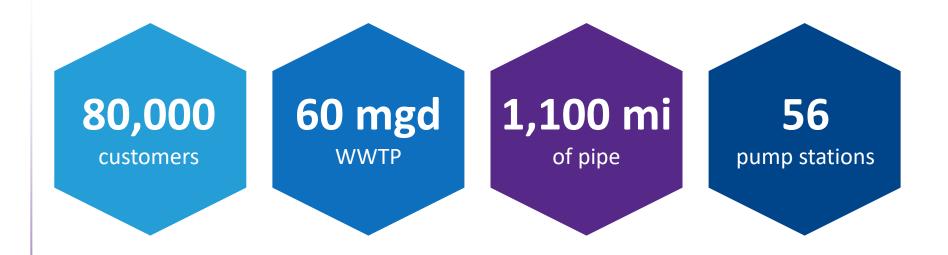
#### Misconceptions

"This isn't doable at my utility."

"This will cost too much, and my IT department probably won't like it!" "I already have all this data, so why do I need more systems for analysis?"



### South Carolina's Capital

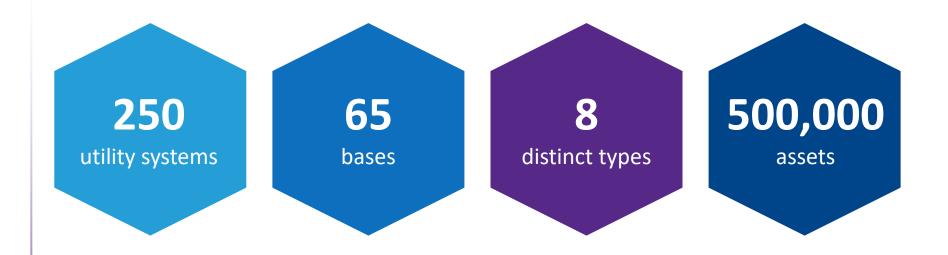








#### Global Utilities Asset Management Program



1 Utility GIS Development



- 1 Utility GIS Development
- 2 Asset Inventory





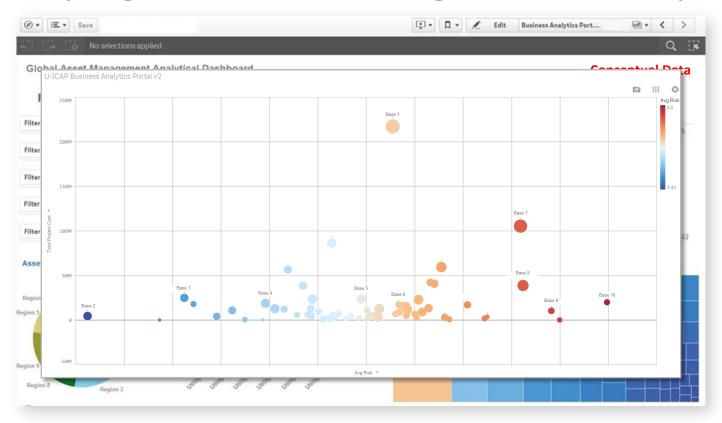


- 1 Utility GIS Development
- 2 Asset Inventory
- 3 Risk Assessment



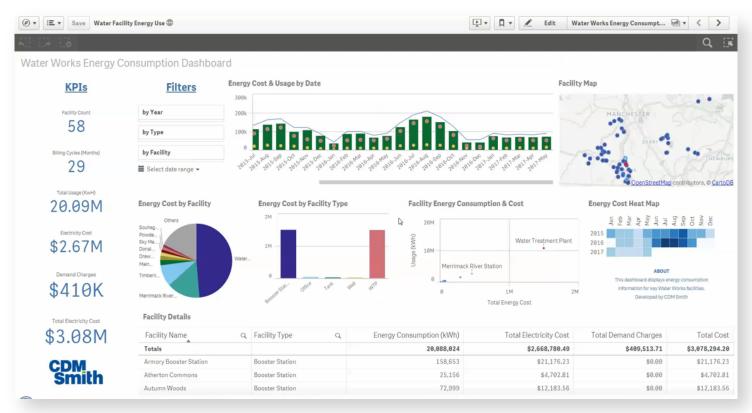
- 1 Utility GIS Development
- 2 Asset Inventory
- 3 Risk Assessment
- 4 Data-Driven Analysis







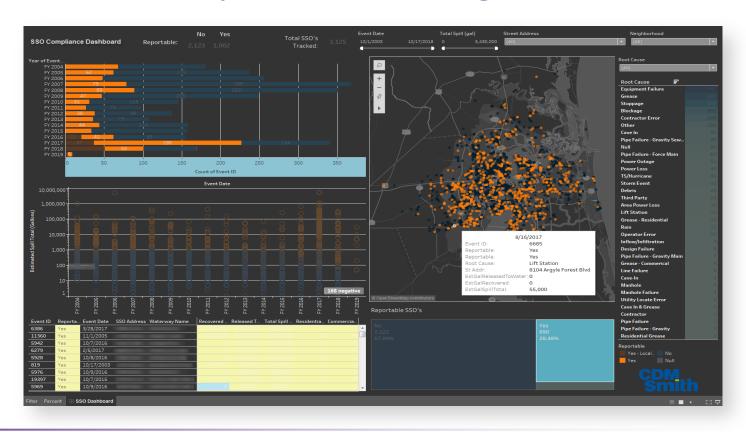
# **Energy Resiliency**



# **Utility Operations**



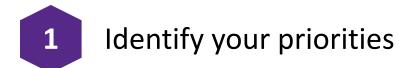
# Real-Time Compliance Tracking





#### **Build Your Team**





1 Identify your priorities

2 Take a look under the hood

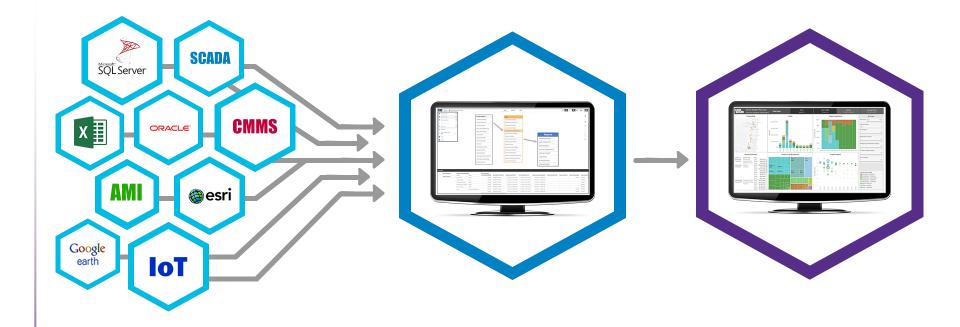
- 1 Identify your priorities
- Take a look under the hood
- 3 Normalize data

- 1 Identify your priorities
- Take a look under the hood
- 3 Normalize data
- 4 Apply technology

## **Business Intelligence Tools**



# **Business Intelligence Tools**



#### Bill Gates said it well...

The first rule of any technology used in a business is that automation applied to an efficient operations will magnify the efficiency.

The second is that automation applied to an inefficient operation will magnify the inefficiency.









#### **Contact Information**

#### **Panelists**



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#### Moderator



Andrew Beaton
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# Thank You