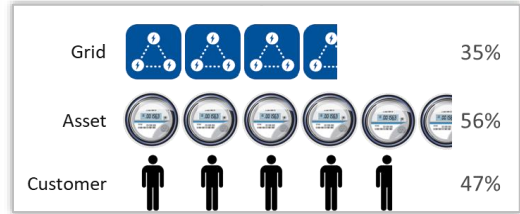


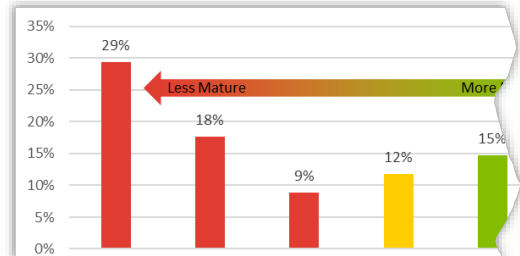
## 2018 BRIDGE Index™ Utility Industry Survey

### Grid Analytics Survey Results

#### 2017 Analytics Efforts



#### Analytics Maturity



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- Family of utility industry surveys
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# Family of Utility Industry Surveys

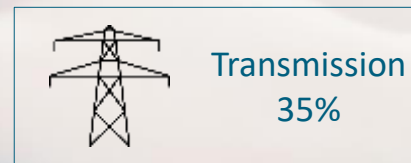
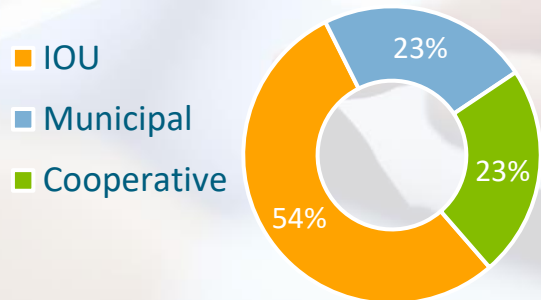
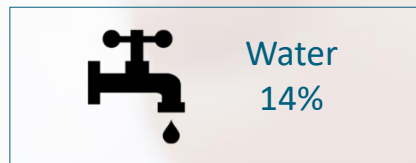
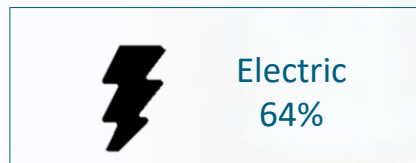
- The BRIDGE Energy Group BRIDGE Index™ family of surveys provides an objective look at the state of both current and future priorities across a broad cross-section of North American utility decision-makers. The insights garnered from this study provide a solid basis for future decision making by industry leaders.
- Annual BRIDGE Index™ surveys include:
  - Grid Operations survey
  - Grid Security survey
  - Grid Modernization survey
  - Grid Analytics survey

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- You are free to quote the contents as long as you clearly reference the source as
  - “Source: BRIDGE Energy Group® – 2018 BRIDGE Index™”

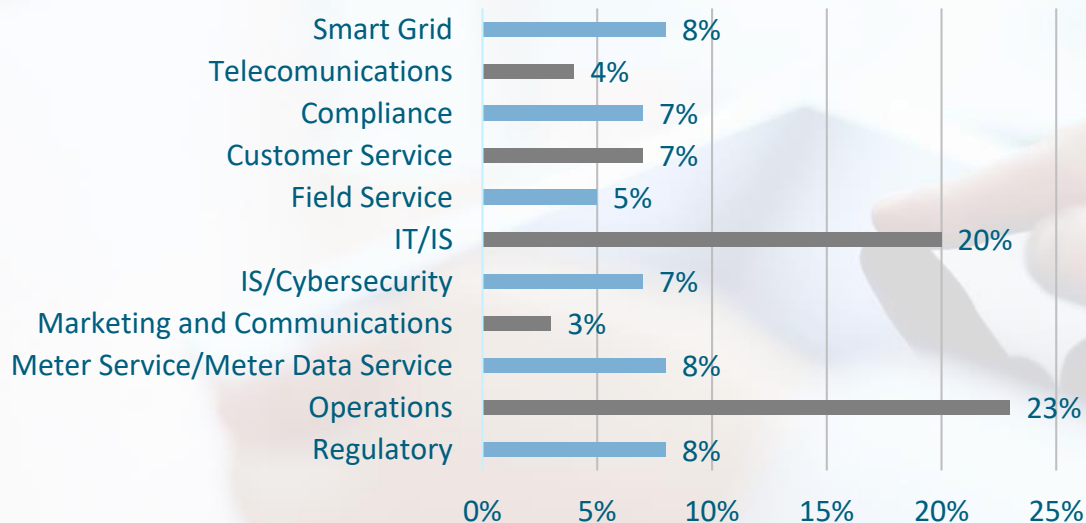
# Broad Range of Utility Respondents

**Survey reach:** Over **20,000** North American Utility Employees

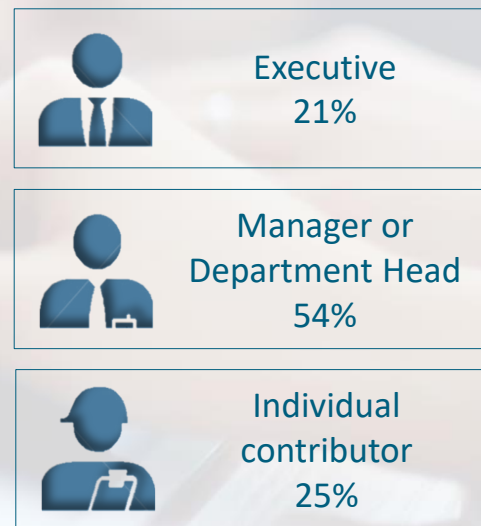


# Respondents by Organization/Role

## By Organization



## By Role

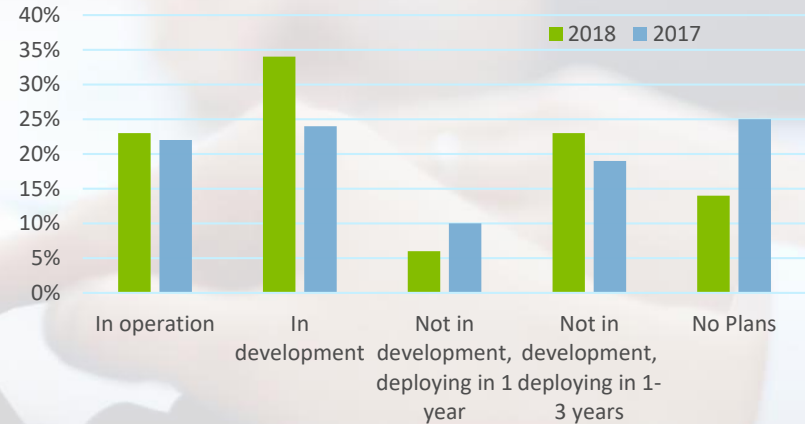




# Predictive Analytics

- 42% increase in utilities developing predictive analytics capabilities
- Asset health and outage management continue to top stated reasons for using predictive analytics

## State of Predictive Analytics



*"It is good news that more utilities are developing predictive analytics capabilities, however they are still lagging implementing into operations. For predictive analytics to have maximum ROI and impact on safety, reliability, cost and performance, utilities need to integrate those predictive learnings into day to day operations."*

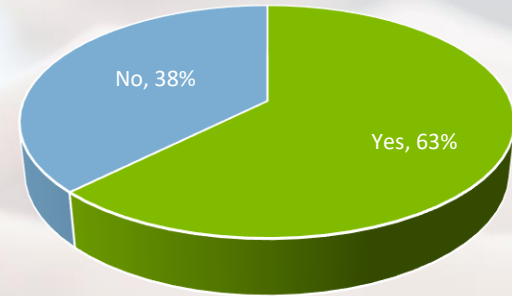
- BRIDGE Energy Group



# Data Quality and Data Governance

- 63% have a data quality program in place
- 72% have no data governance process in place for OT data

Data Quality Program In Place?

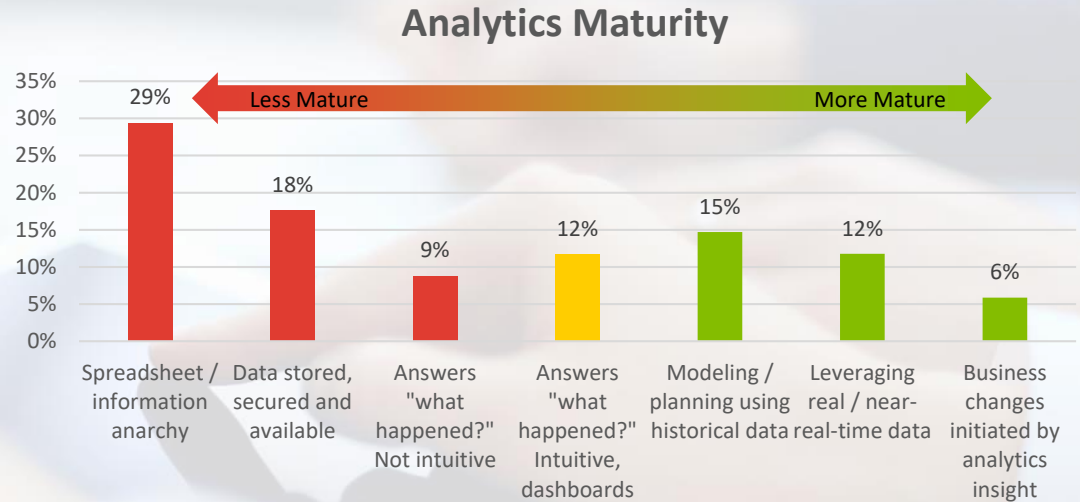


*“While it is encouraging to see a 46% increase in data quality programs since last year, 72% of utilities still do not employ active data governance frameworks for OT data. Both data quality and governance are essential for analytics initiatives to be successful. Further, overall effectiveness of analytics projects is significantly improved when using a defined use case approach versus an enterprise wide program.”*

- BRIDGE Energy Group

# Analytics Maturity and Tools

- No significant change in maturity versus last year
- 56% have immature analytics
- 11% have no visualization tools in place



*“Given the importance of analytics to unlocking the value of data, it is surprising that overall utility industry analytics maturity is relatively static year over year. Data visualization is the easiest place to begin a successful analytic journey and for achieving self-service analytics.”*

- BRIDGE Energy Group

# Priorities of Analytics Efforts

- 2017 saw increase over 2016 in Asset-related analytics efforts (↑55%) and Grid-related analytics (↑17%)
- 62% plan major analytics projects in the coming 24 months



*“Overall, the level of analytics effort is on the rise, with asset-related efforts showing the largest increase over last year and overtaking customer-analytics efforts for the first time. Another large increase across analytics is forecasted for the coming year.”*

- BRIDGE Energy Group

# 2018 Analytics Investment

- 13% of respondents will invest more than \$10M in their 2018 analytics program
- 40% will invest in the range of \$1M - \$6M
- 47% will invest less than \$1M

## Planned Analytics Investment



*“Average utility investment in analytics is increasing year over year. The increased number of \$10M+ programs demonstrates utilities are embracing analytics as a core competency, but too many are investing far too little to have a real impact on their analytics maturity and usefulness.”*

- BRIDGE Energy Group

# Impediments to Successful Analytics Projects

- Top impediments to analytics program
  - Data integration (32%)
  - Availability of skilled staff (25%)
- Availability/capabilities of analytics tools is the least likely issue impeding success of analytics programs

*“Tools appear to be plentiful, unfortunately the lack of skills and data needed to realize the business value from those tools are still the most common reasons for analytics project failures.”*

- BRIDGE Energy Group

# For More Information

## Meet Our Experts

Discuss creative and pragmatic solutions to your Grid Analytics goals.

Contact BRIDGE at:

Main: 1.508.281.7133

Toll Free: 1.888.351.8999

[Research@BridgeEnergyGroup.com](mailto:Research@BridgeEnergyGroup.com)

[www.BridgeEnergyGroup.com](http://www.BridgeEnergyGroup.com)

## Join Our Panel

Your opinion matters – Become a panelist for the 2019 survey.

Email us at:

[Research@BridgeEnergyGroup.com](mailto:Research@BridgeEnergyGroup.com)

# BRIDGE Energy Group

BRIDGE Energy Group is a consulting and systems integration firm transforming Transmission & Distribution operations.

Leveraging its operations, technology, analytics, visualization and real-time systems expertise, BRIDGE delivers innovative and pragmatic solutions.

BRIDGE focuses on solving utility challenges and improving grid security and reliability while increasing profitability and efficiency for our clients.



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