



AIA 2030 COMMITMENT

HDR
PROJECT
PERFORMANCE
DATA
2017



AIA 2030 COMMITMENT

The AIA 2030 Commitment provides a framework to help firms evaluate the impact of project design on energy performance. It sets an industry wide goal to design carbon neutral buildings, developments and major renovations by 2030.

HDR signed the 2030 Commitment in April 2009. As a signatory, HDR commits to design projects that are carbon neutral by 2030, and we commit to reporting the predicted energy performance for all of our projects that are under design each year. This Commitment allows us to understand how our projects perform relative to the rest of the industry, to identify ways that we can improve our work and provide better service to our clients.

HDR has provided detailed reporting to the AIA for the past 4 years, 2014-2017. The current 2030 Commitment target (through the year 2020) asks that we use energy modeling on 100 percent of our projects and that we design our buildings to reduce energy use by 70 percent. This data shows that we are making marked improvements each year and that our design process is embracing energy modeling and high performance design; yet it also shows that we are still falling short of the goals we committed to.

Vice President, Director of Sustainable Development

Additional information on the 2030 Commitment is available at: <https://www.aia.org/resources/6616-the-2030-commitment>.



The performance data reported for 2017 provides the following key take-aways:

➤ Energy modeling is becoming more widespread across the firm. Almost 90 percent of our projects stated that they would use an energy model to predict energy performance. This is up from 59 percent in 2016 and 24 percent in 2015.

➤ Our overall energy use reduction decreased from 42.2 percent to 41.4 percent. This is due to two factors: 1) our increased rates of energy modeling do not allow us to assign relatively high default energy savings to our projects based on the energy code; and 2) the number of projects in design in our German offices decreased from last year, which reduced the number of high performance projects reported by HDR.

➤ Energy modeling and predicted energy performance continues to vary widely by office and by business group. As each office and Business Group implements initiatives that build upon Doug Wignall's Call to Action, we anticipate that we will see improvements and more alignment in our reporting for next year.

2017
278
PROJECTS



2016
333
PROJECTS



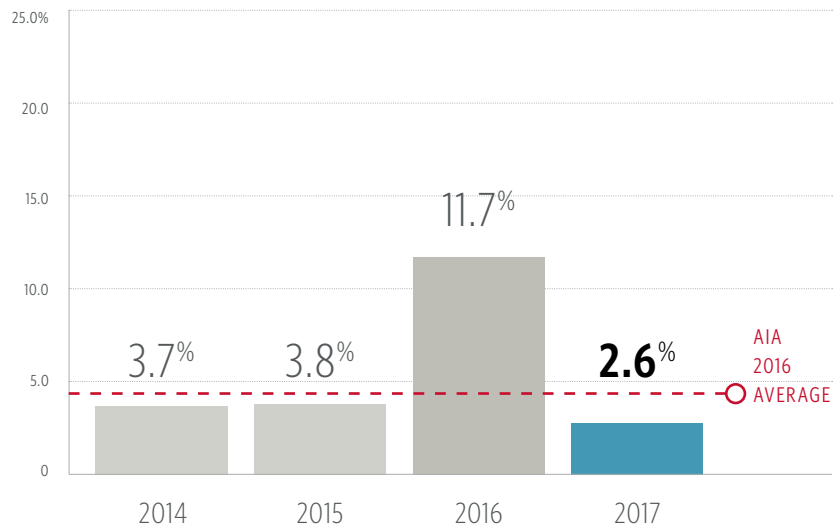
2015
279
PROJECTS



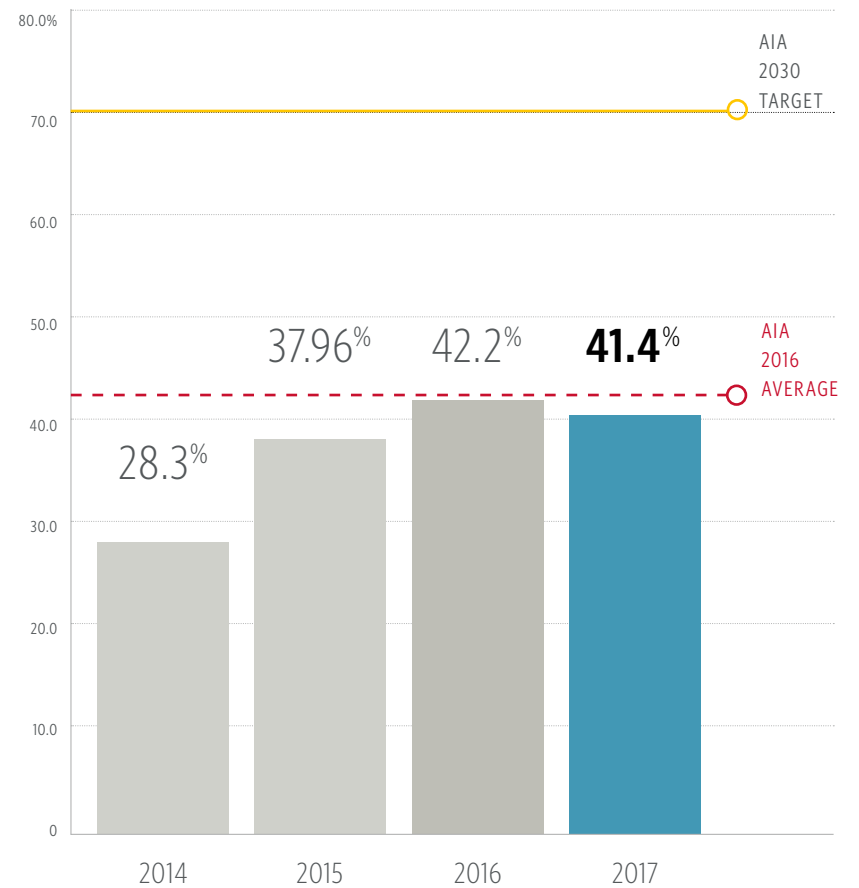
2014
122
PROJECTS



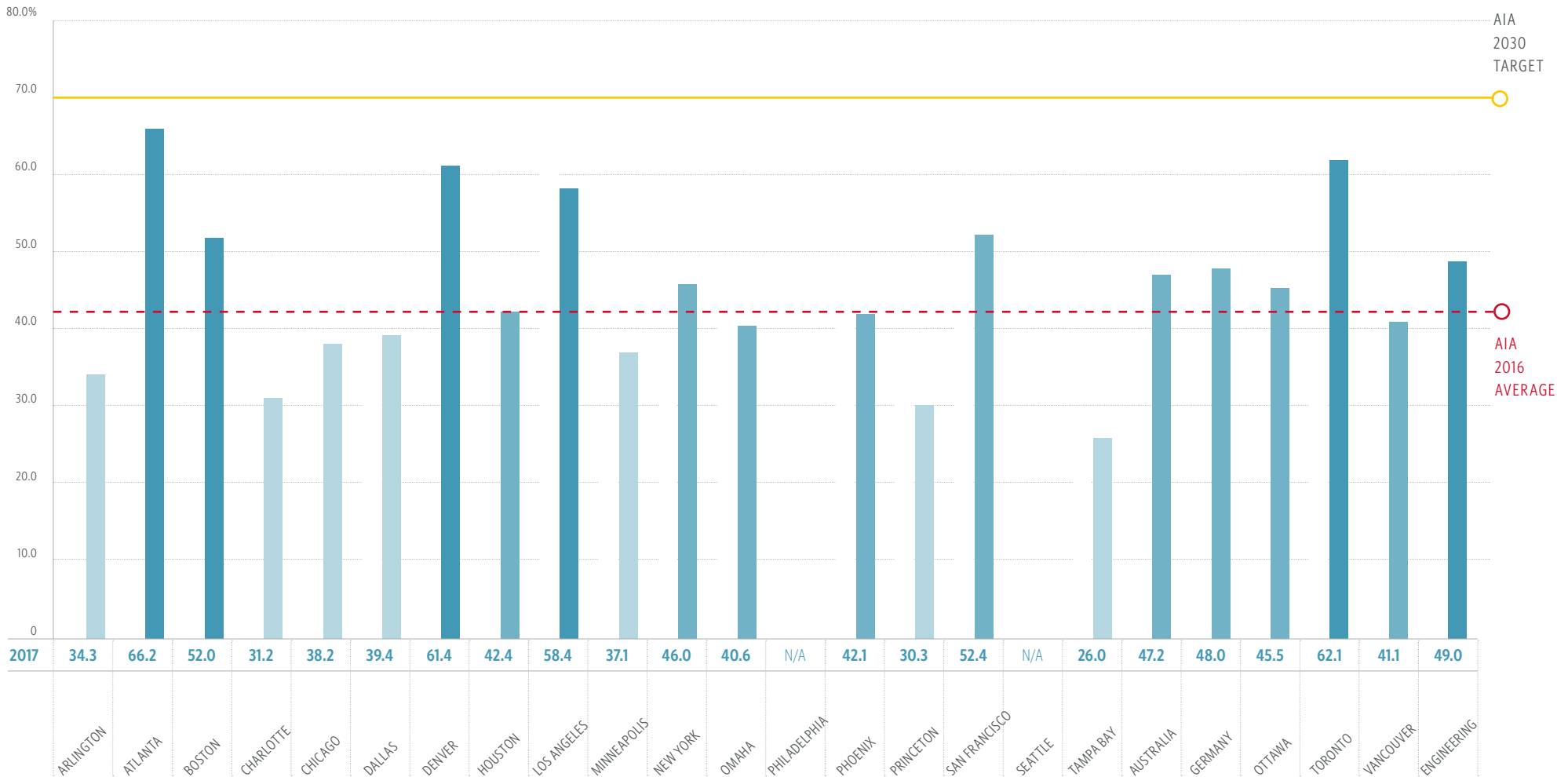
HDR (GSF)
MEETING
2030
CHALLENGE
TARGET



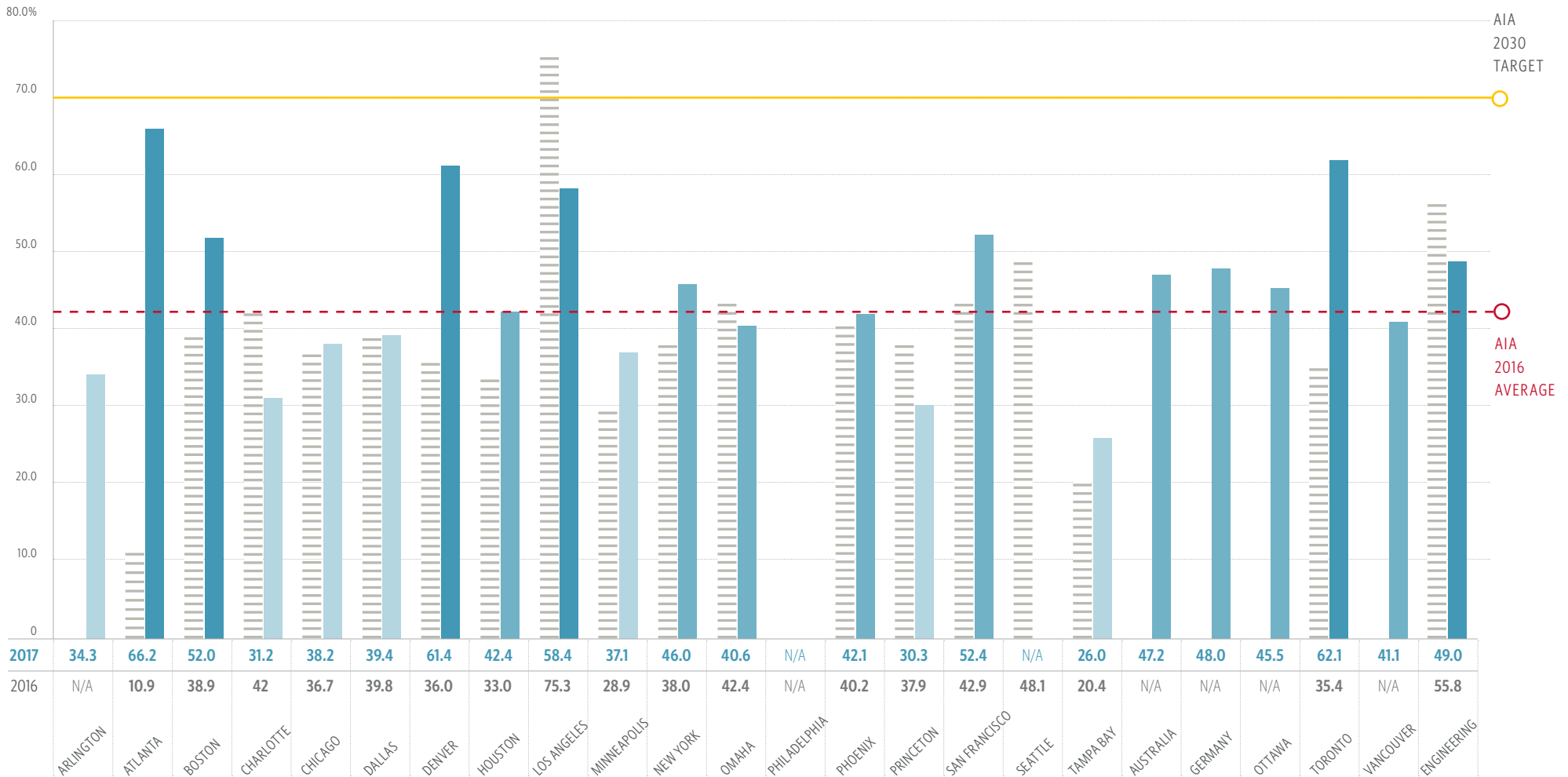
HDR
PREDICTED
ENERGY USE INTENSITY
(pEUI)
REDUCTION



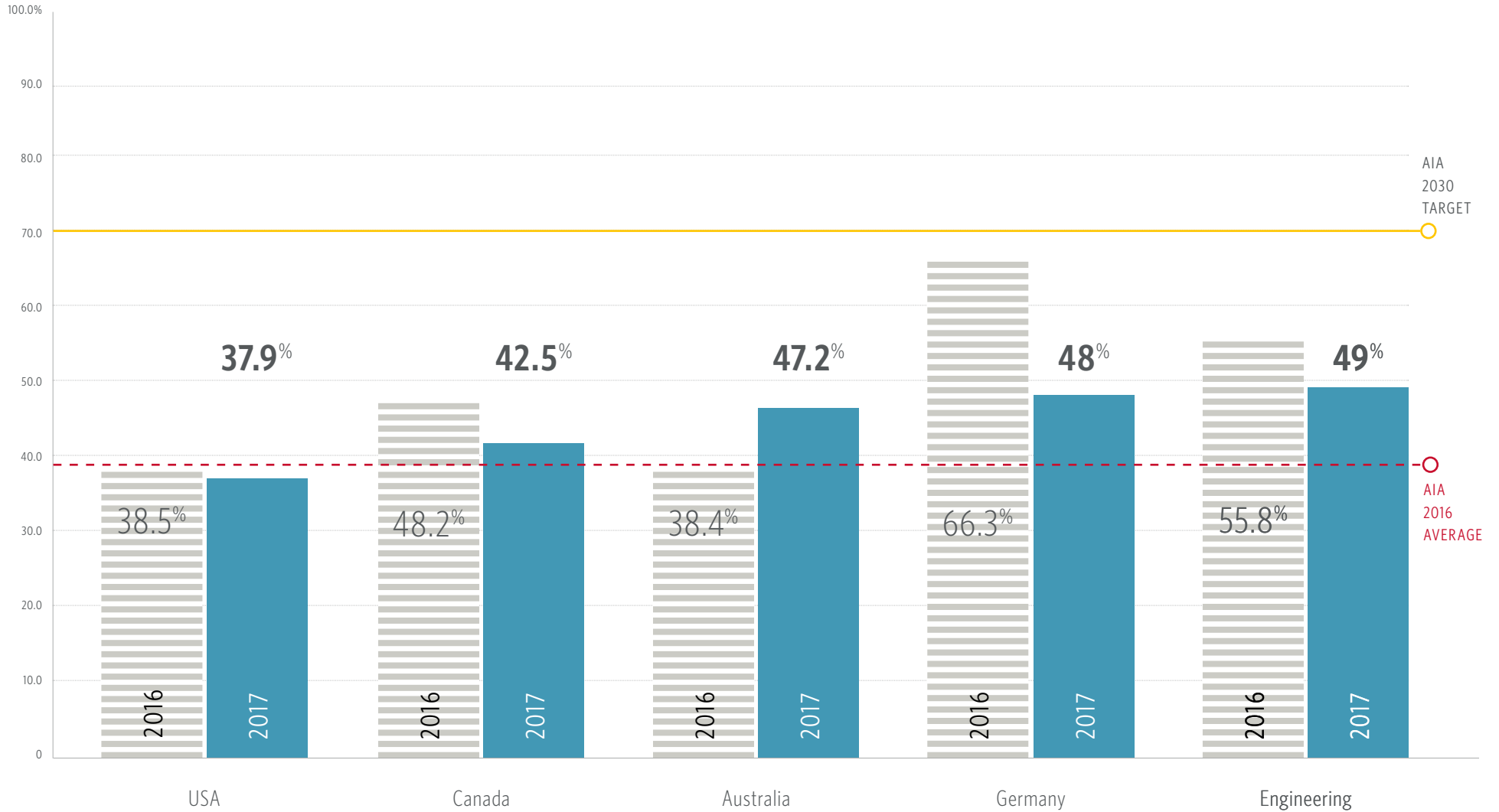
HDR PREDICTED EUI REDUCTION BY OFFICE 2017



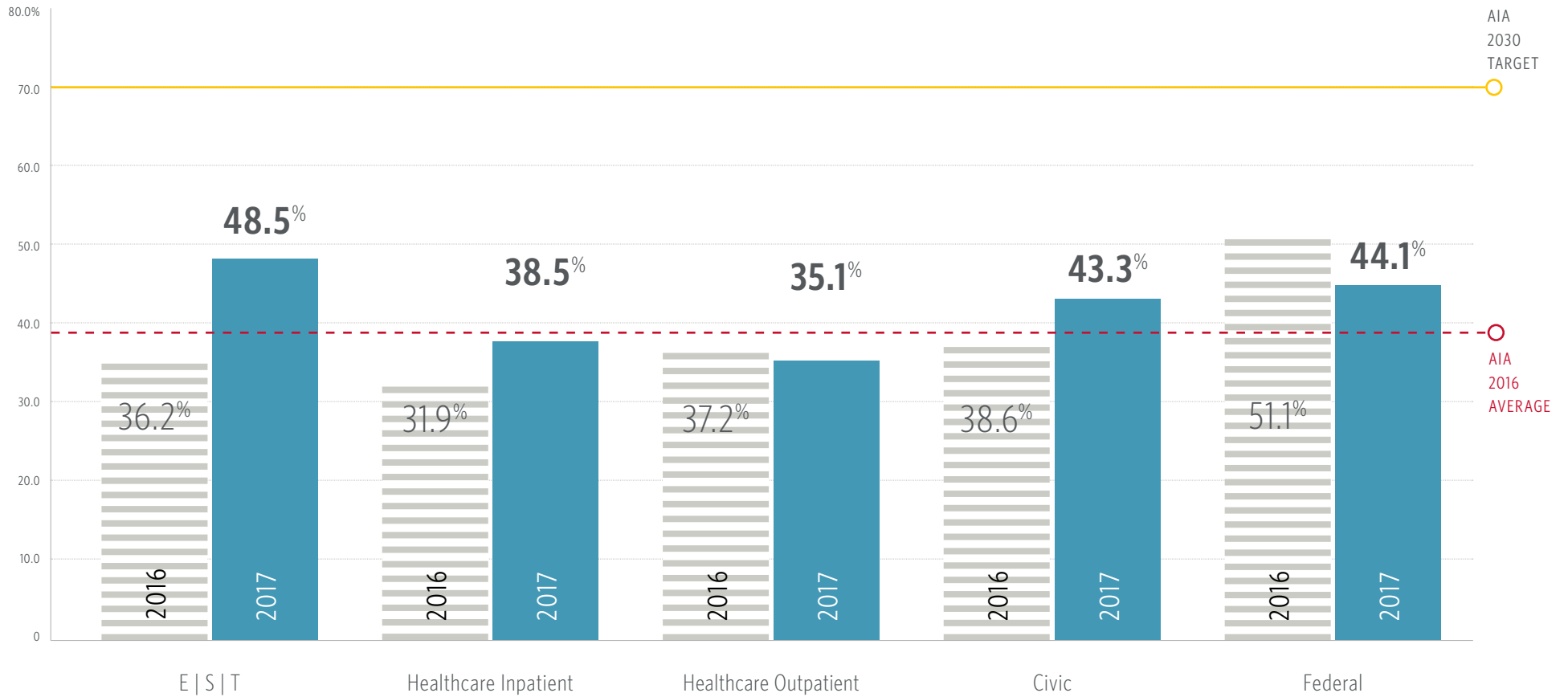
HDR PREDICTED EUI REDUCTION BY OFFICE 2016-2017



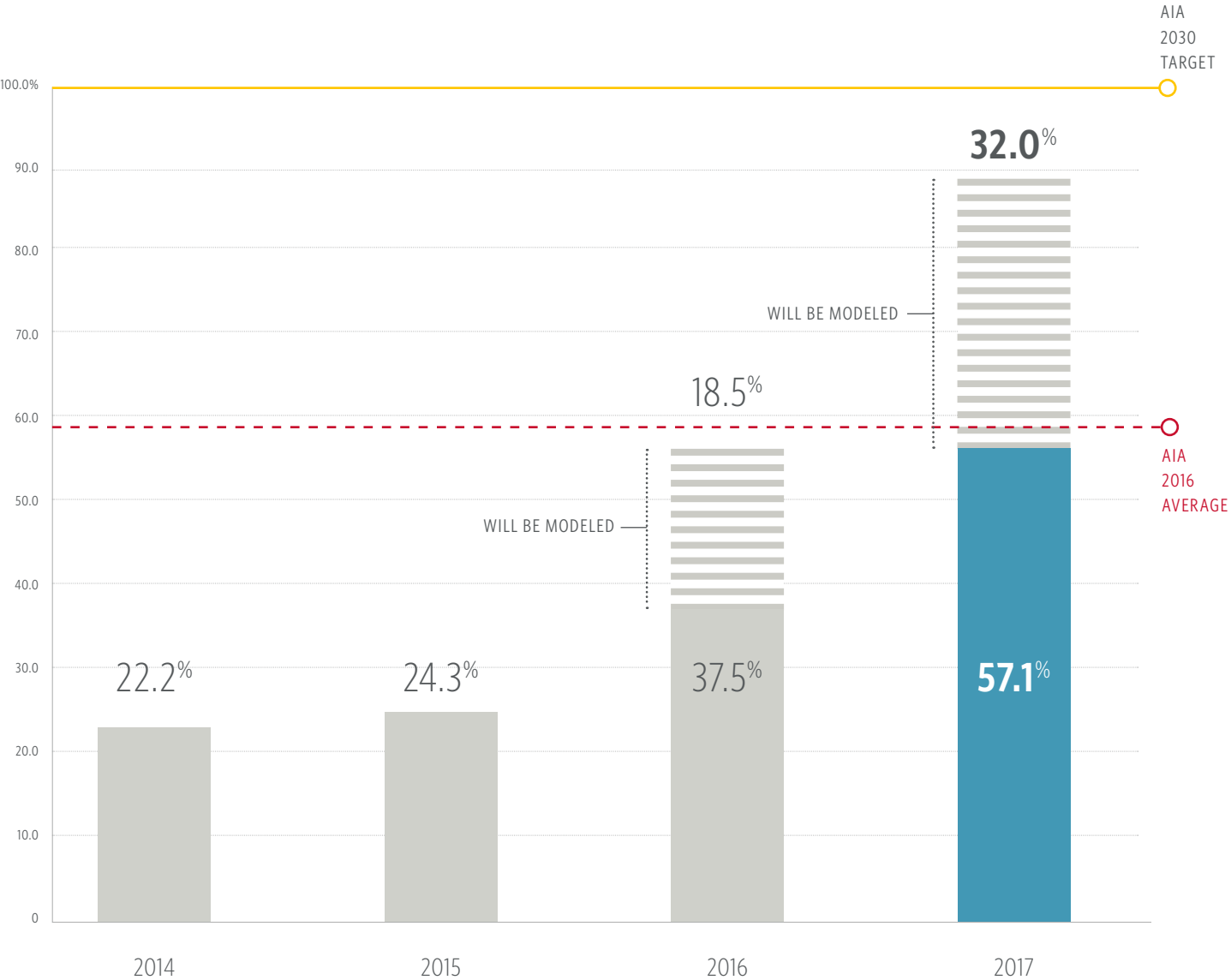
HDR PREDICTED EUI REDUCTION BY COMPANY



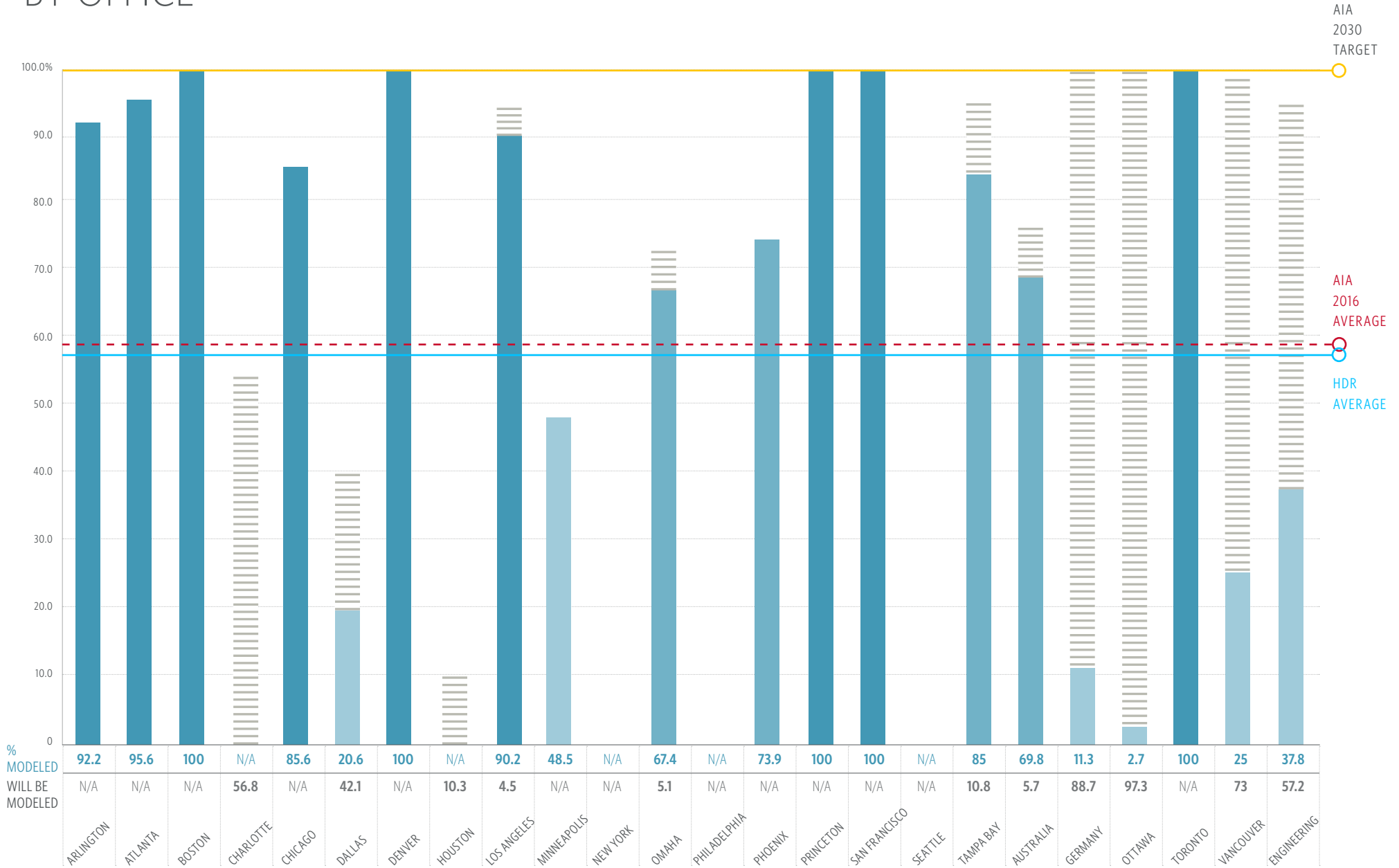
HDR PREDICTED EUI REDUCTION BY BUSINESS GROUP



HDR (GSF) ENERGY MODELING

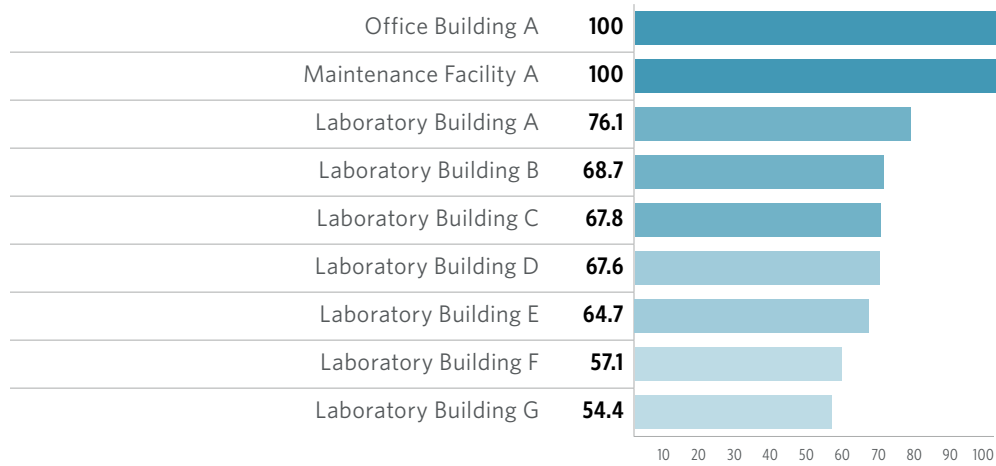


HDR (GSF) ENERGY MODELING BY OFFICE

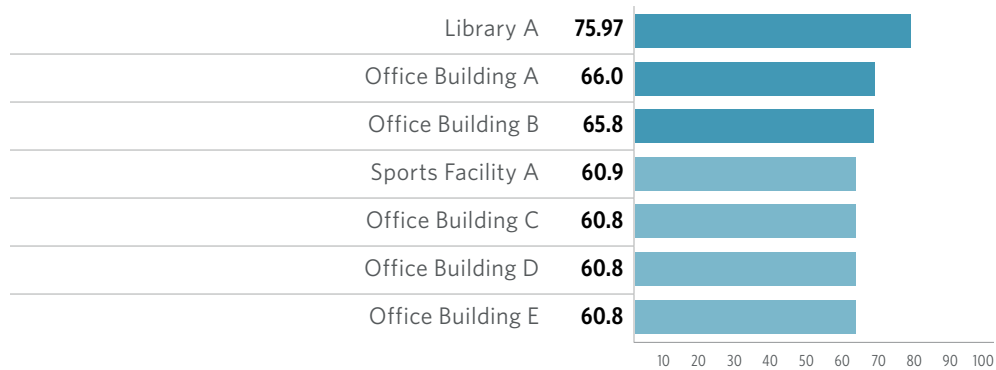


HDR PREDICTED EUI REDUCTION BY BUSINESS GROUP TOP PROJECTS

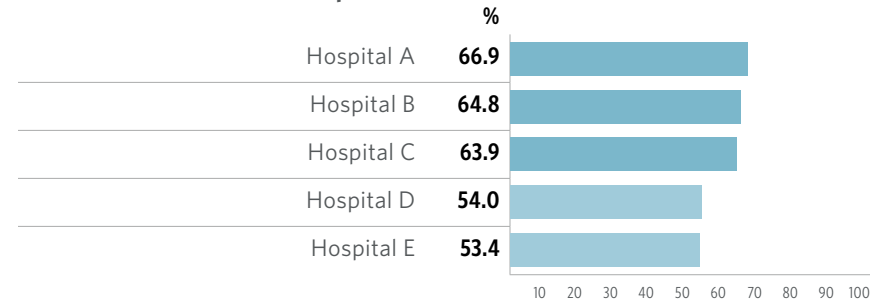
E | S | T %



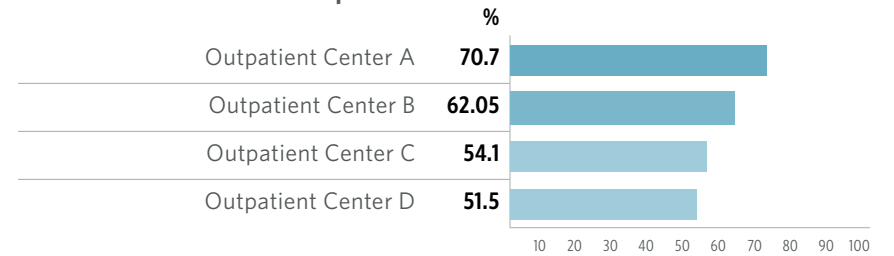
Civic %



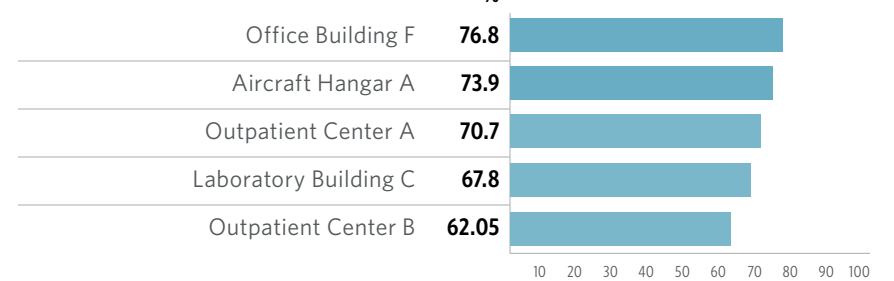
Healthcare Inpatient %



Healthcare Outpatient %



Federal %



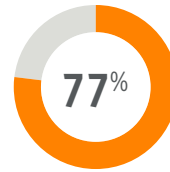
HDR TOP 10 PROJECTS MEETING AIA 2030 TARGET >70% REDUCTION



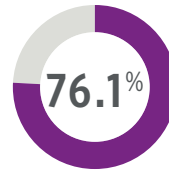
Office Building A
Los Angeles



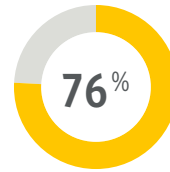
Maintenance Facility A
Los Angeles



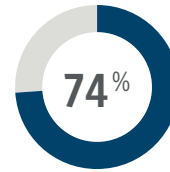
Office Building F
San Francisco



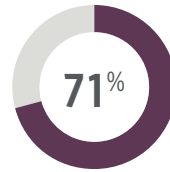
Laboratory Building A
Vancouver



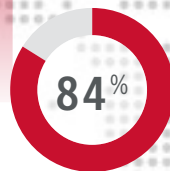
Library A
Vancouver



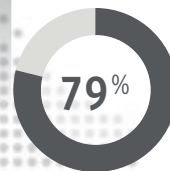
Aircraft Hangar A
Folsom



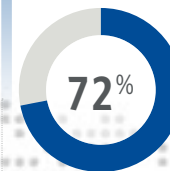
Outpatient Center A
San Francisco



Hospital F
Germany

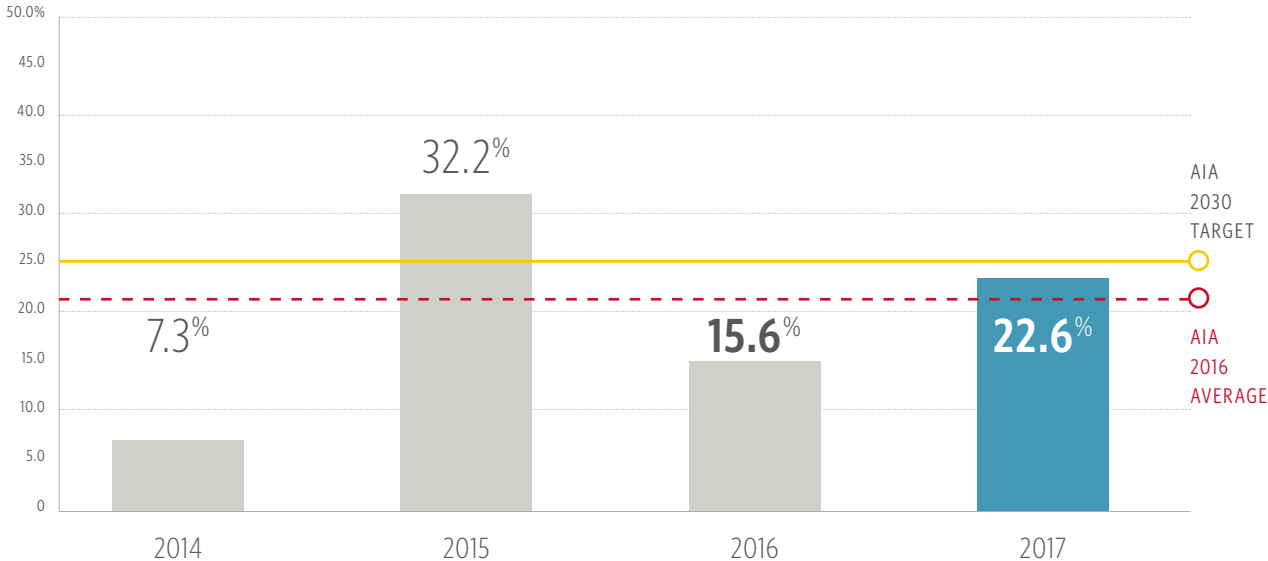


Hospital G
Germany

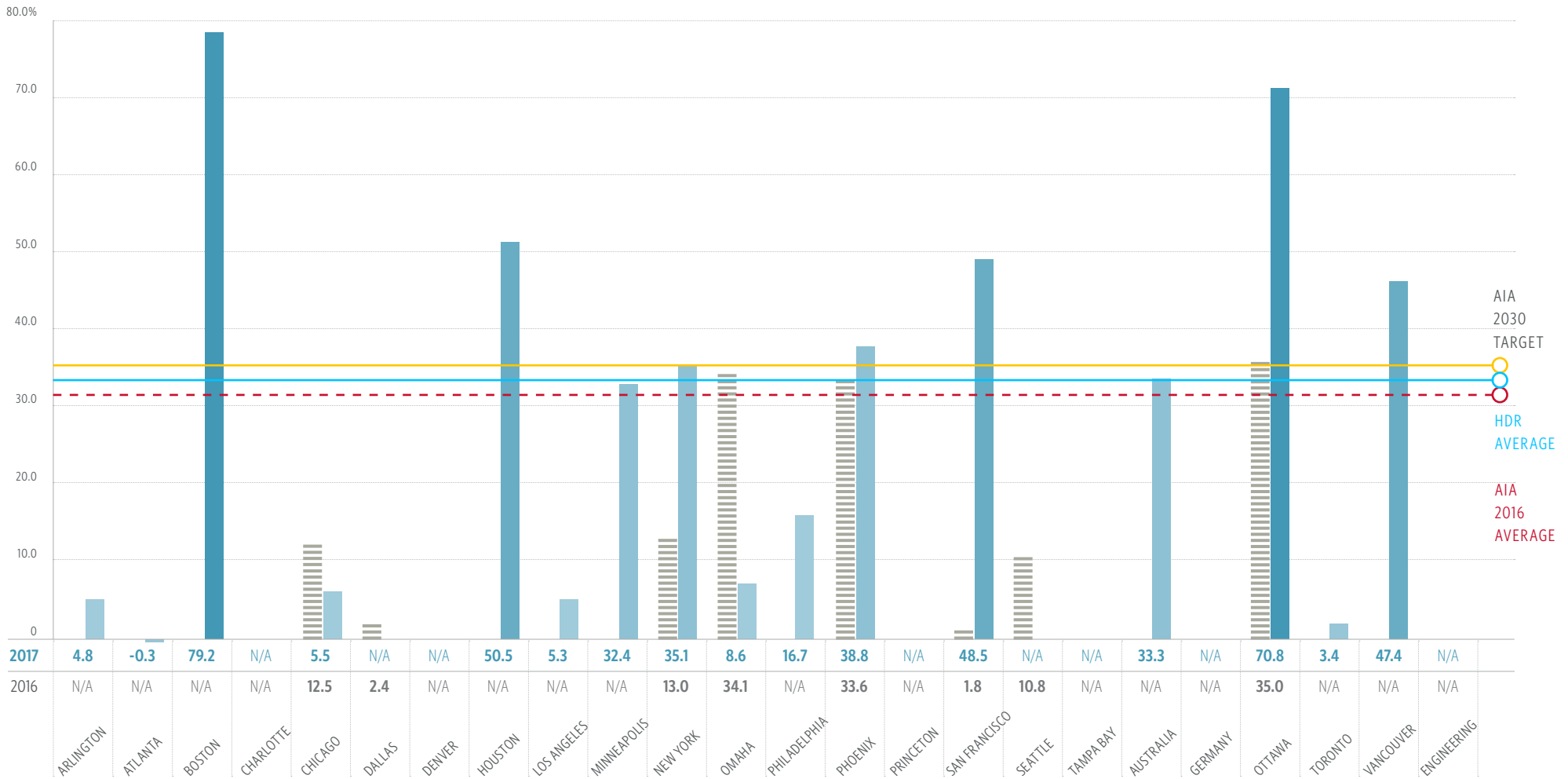


Hospital H
Germany

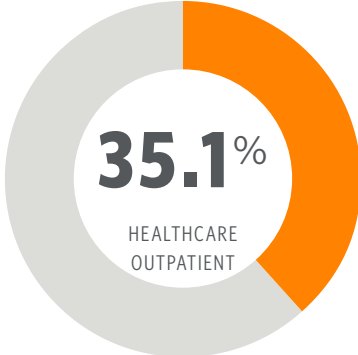
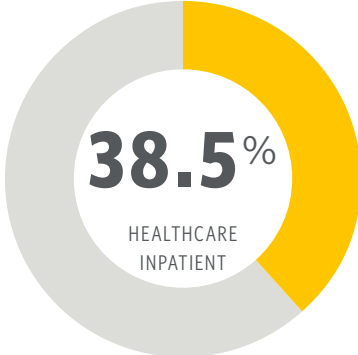
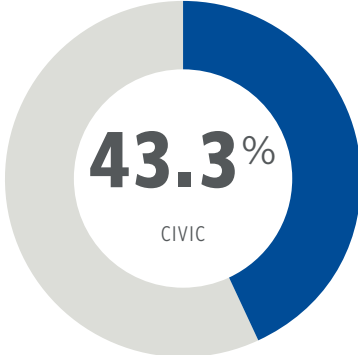
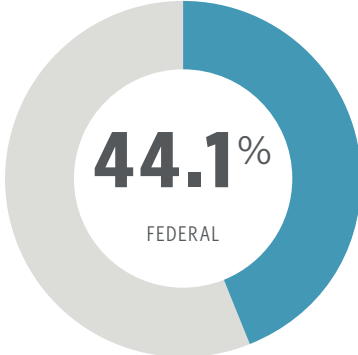
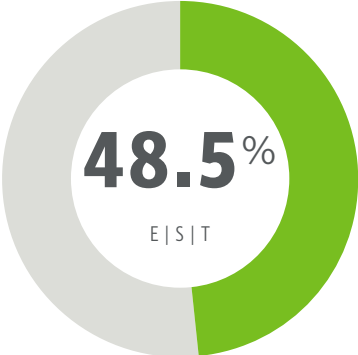
HDR LIGHTING DENSITY REDUCTION



HDR LIGHTING DENSITY REDUCTION BY OFFICE



PREDICTED
EUI REDUCTION
BY BUSINESS
GROUP



PREDICTED EUI REDUCTION BY COMPANY

