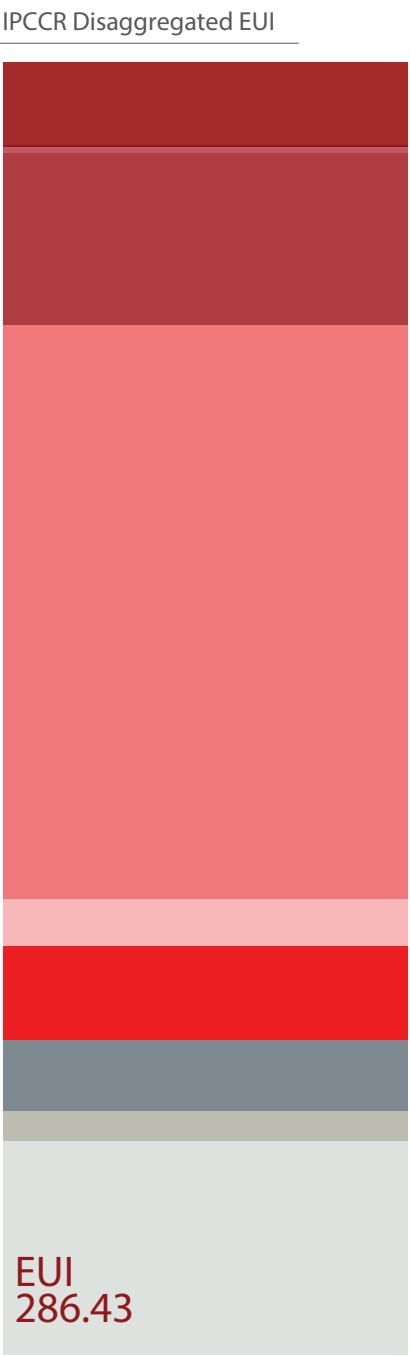
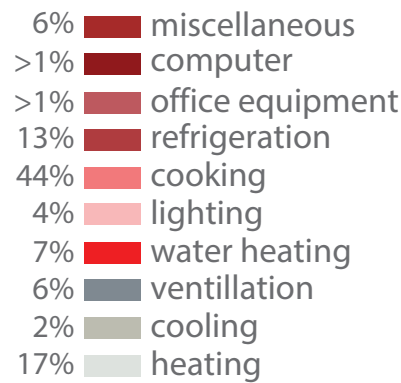
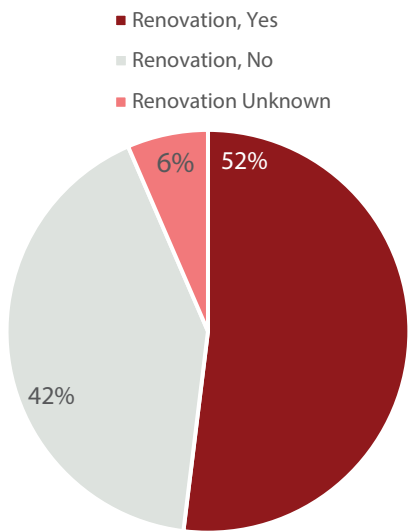
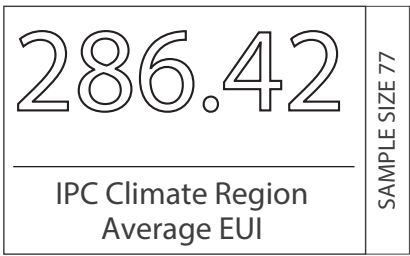
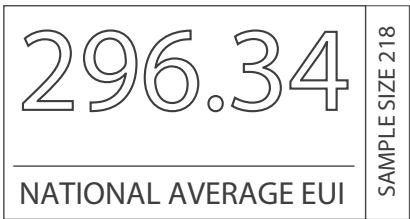


CBECS: FOOD SERVICE



The CBECS classifies buildings according to their “principal building activity (PBA)” at the time when the survey is completed. The PBA is defined as the primary business, commerce, or function within each building. For projects with multiple activity classifications, the activity that occupies the most floorspace ultimately defines the usage type category. Buildings are also classified into more specific sub-categories of activities, which are reflected in the “National Office Activity Breakdown” chart below.

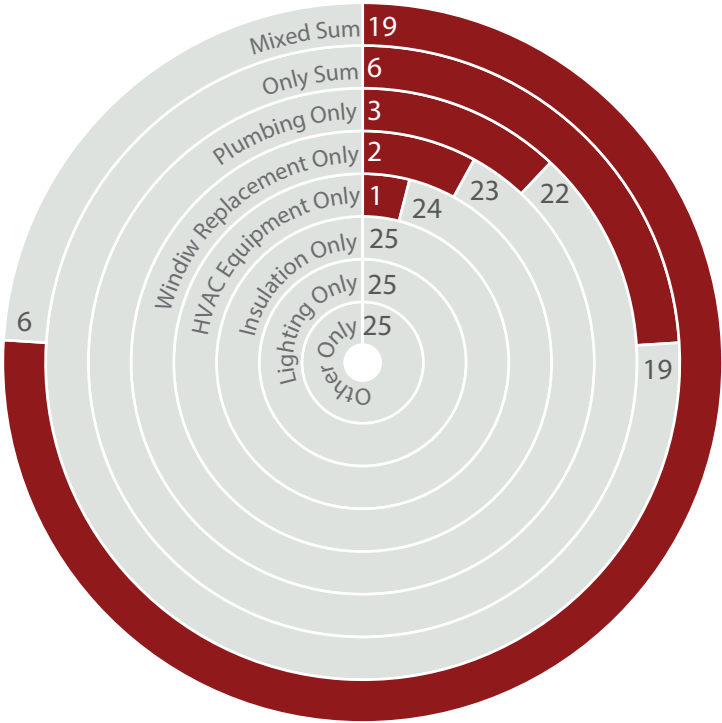
The CBECS website specifically defines the education PBA as “Buildings used for selling prepared food and beverages”. This includes the following building types; Fast Food, Restaurant or Cafeteria, Bar, Pub, or Lounge, Catering Service, Coffee, Bagel or Doughnut shop and Ice Cream or Frozen Yogurt shop.

More information on building activity definitions can be found on the CBECS website located here:

http://www.eia.gov/emeu/cbecs/building_types.html

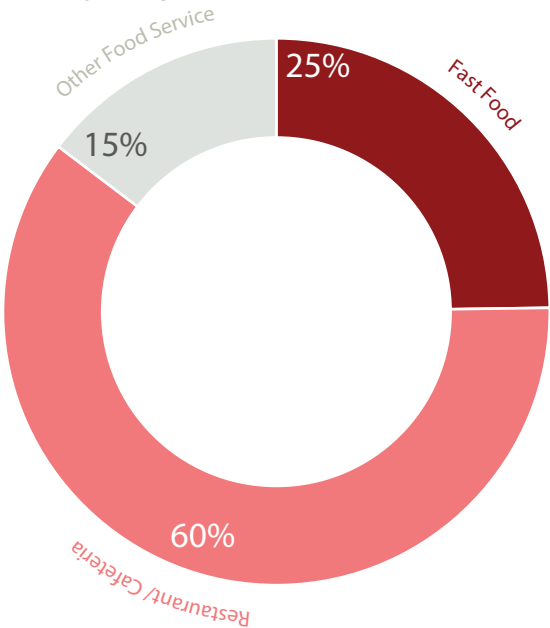
IPCCR % of Buildings with Renovations

SAMPLE SIZE 77



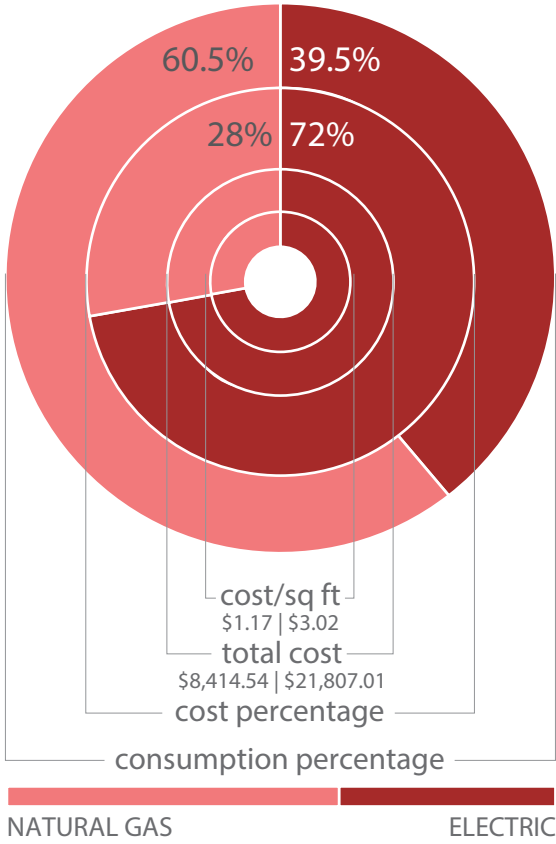
National Education Activity Breakdown

SAMPLE SIZE 218



IPCCR Utility Breakdown

SAMPLE SIZE 77



EUI 997.6

BUILDING 4416
Midwest
Upper Quartile

EUI 531.1

BUILDING 4403
Midwest
Upper Quartile

EUI 436.2

Building 4871
Metro
Upper Quartile

EUI 327.6

Building 1087
Midwest
Median Quartile

EUI 193.1

Building 5478
Midwest
Median Quartile

EUI 107.0

Building 3247
West
Lower Quartile

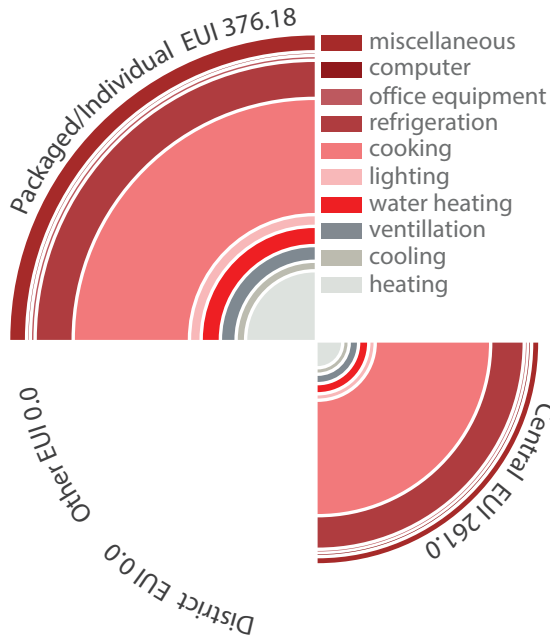
EUI 68.5

BUILDING 4357
West
Lower Quartile

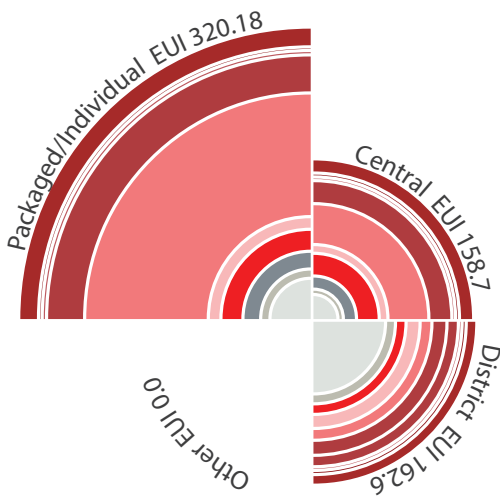
EUI 16.7

Building 4112
Midwest
Lower Quartile

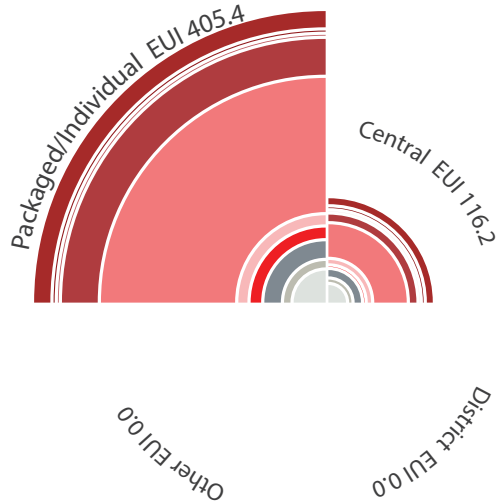
IPCCR EUI by HVAC Characteristics



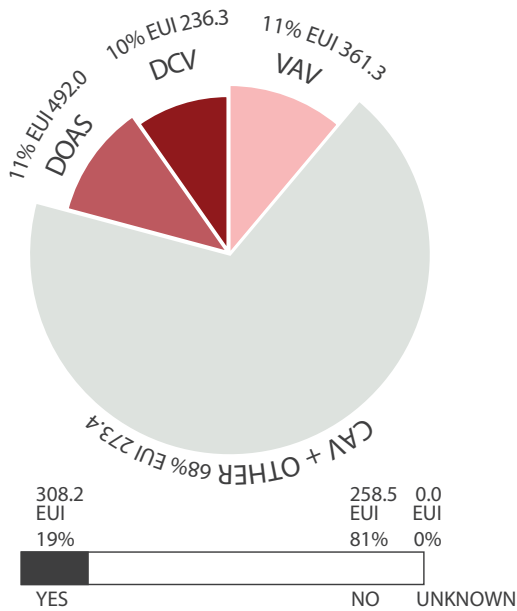
VAV CHARACTERISTICS
SAMPLE SIZE 8



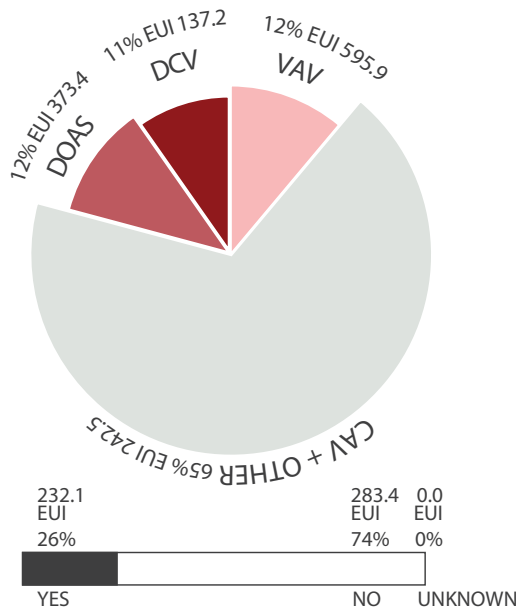
CAV + OTHER CHARACTERISTICS
SAMPLE SIZE 48



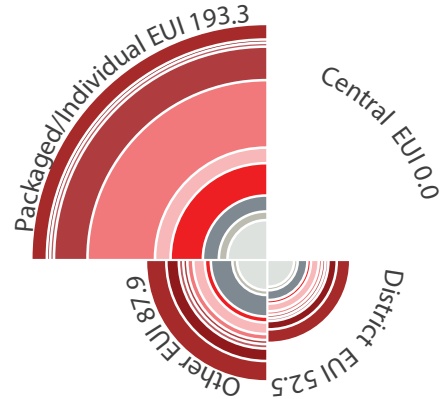
DOAS CHARACTERISTICS
SAMPLE SIZE 8



BUILDINGS WITH EMS
SAMPLE SIZE 77

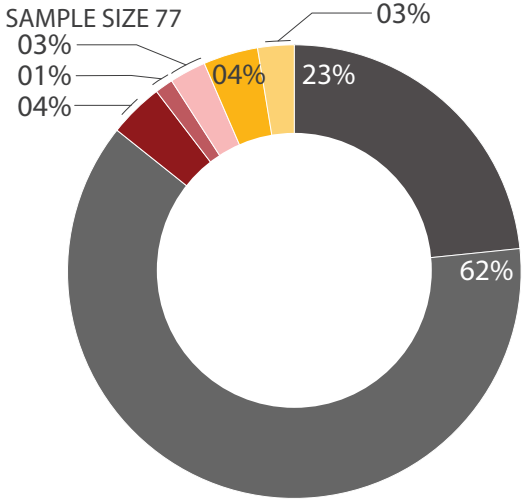


BUILDINGS WITH ECONOMIZERS
SAMPLE SIZE 77

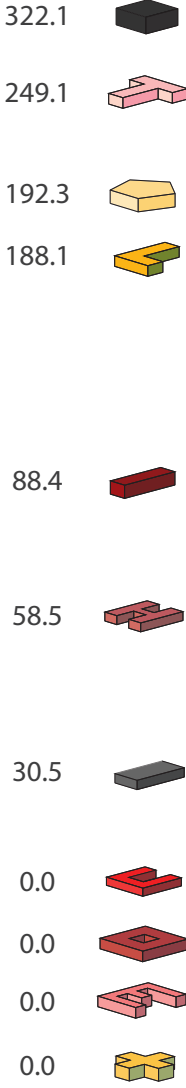
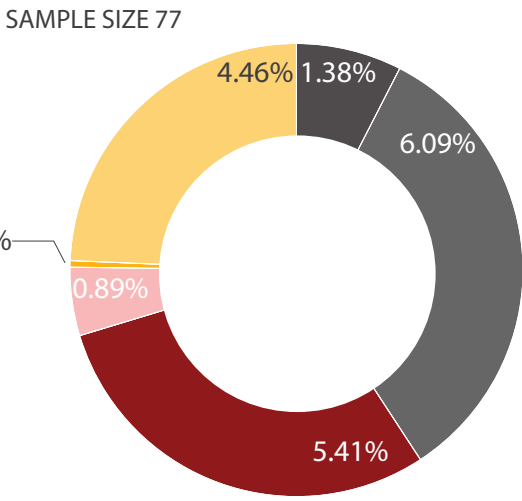


DCV CHARACTERISTICS
SAMPLE SIZE 17

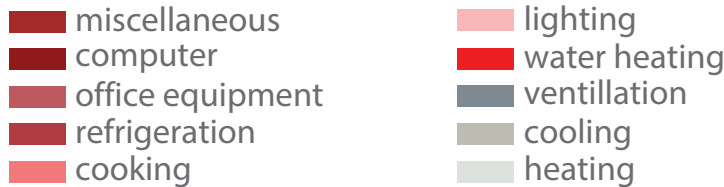
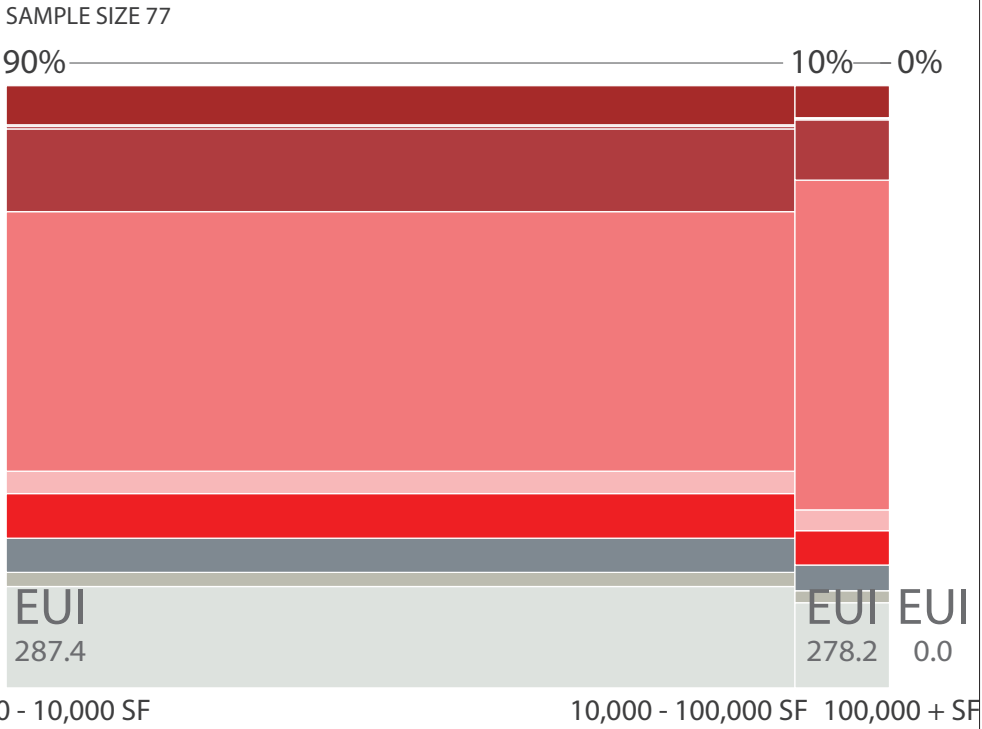
IPCCR EUI by Building Shape



IPCCR Total Area Daylit



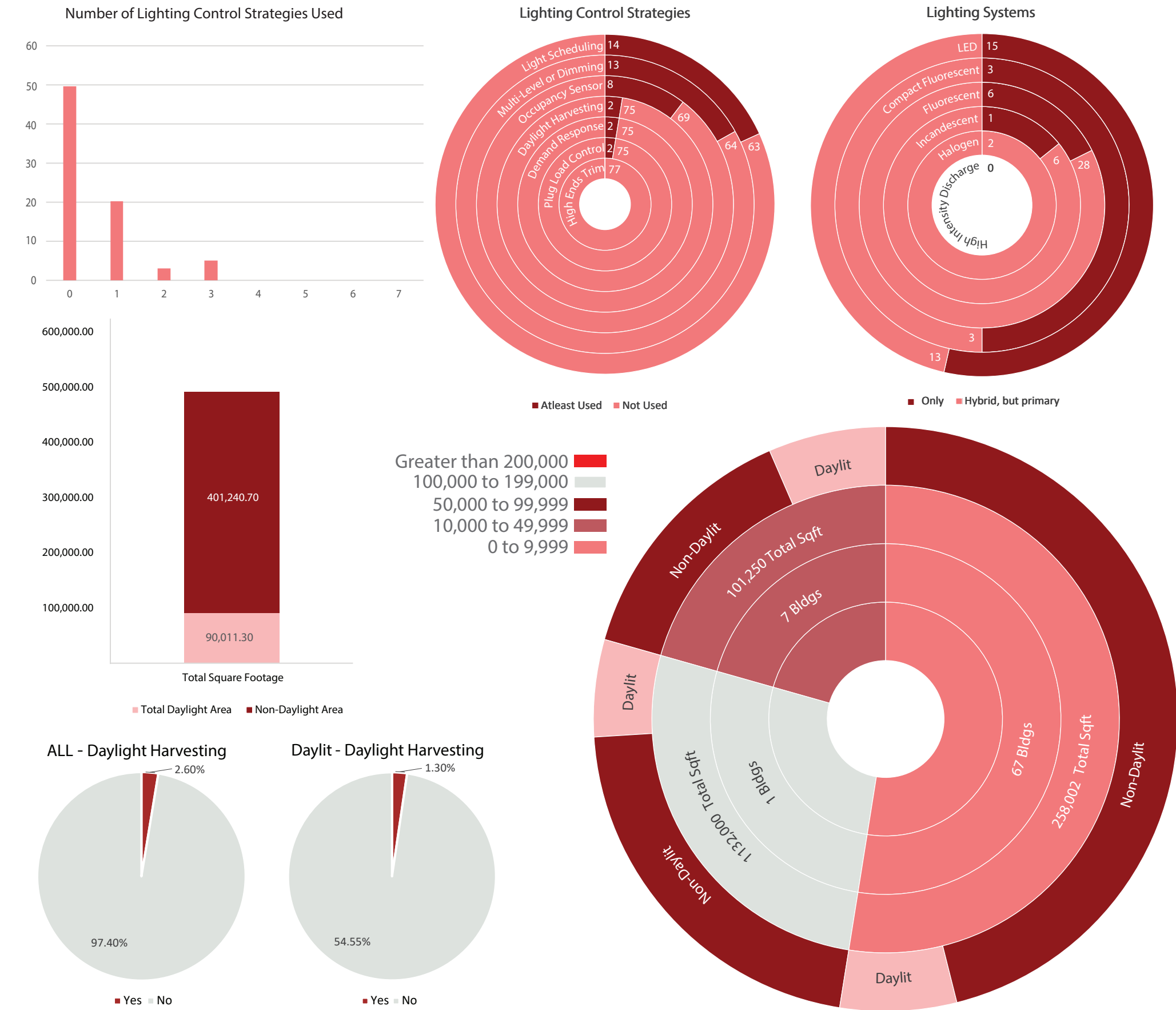
IPCCR EUI by Building Size



IPCCR EUI By Vintage / End Use



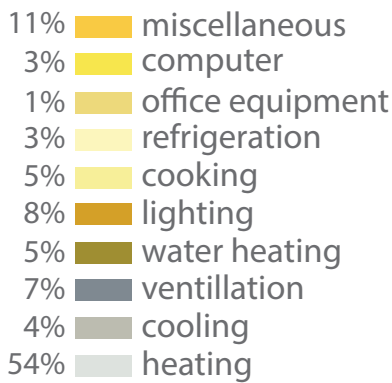
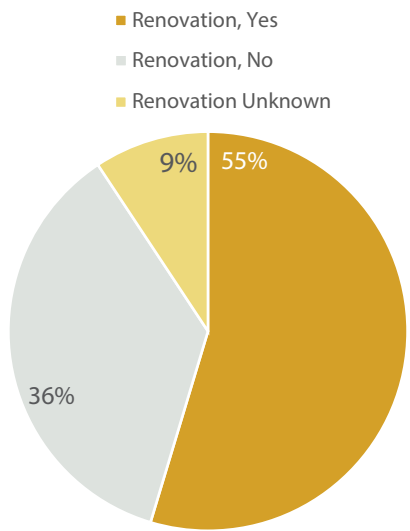
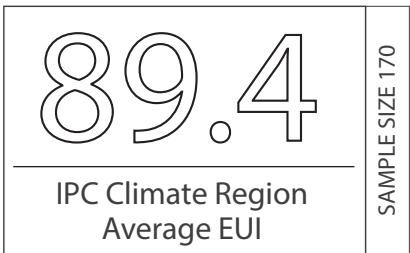
IPCCR Lighting



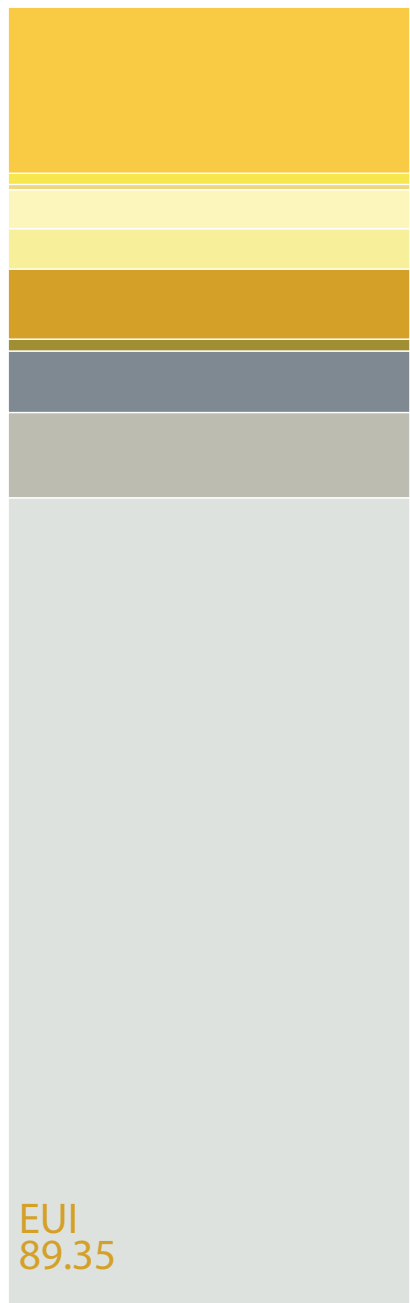
CBECS: PUBLIC ASSEMBLY

created by:
INTEGRATED **idl** DESIGN LAB

sponsored by:
IDAHO POWER
An IDACORP Company



IPCCR Disaggregated EUI



The CBECS classifies buildings according to their "principal building activity (PBA)" at the time when the survey is completed. The PBA is defined as the primary business, commerce, or function within each building. For projects with multiple activity classifications, the activity that occupies the most floorspace ultimately defines the usage type category. Buildings are also classified into more specific sub-categories of activities, which are reflected in the "National Office Activity Breakdown" chart below.

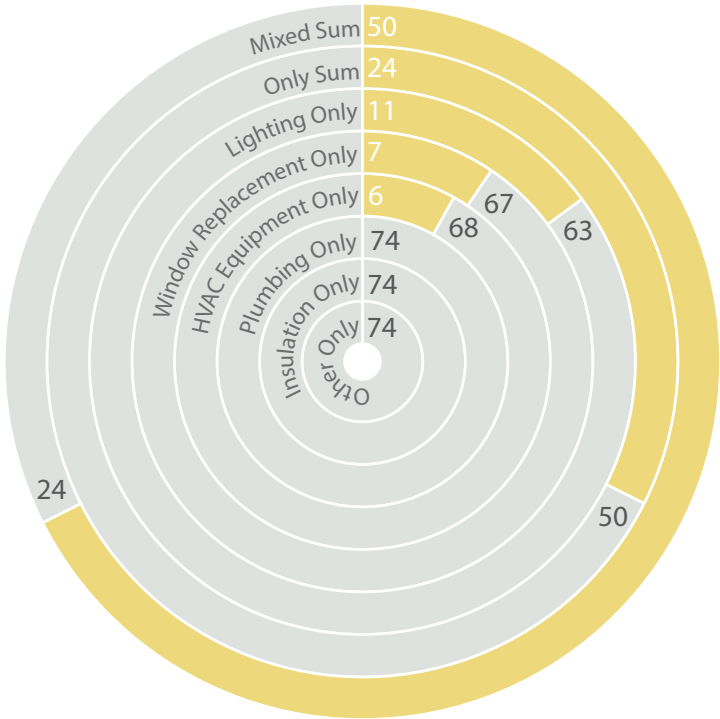
The CBECS website specifically defines the education PBA as "Buildings used for academic or technical classroom instruction, such as elementary, middle, or high schools, and classroom buildings on college or university campuses. Buildings on education campuses for which the main use is not classroom are included in the category relating to their use. For example, administration buildings are part of "Office," dormitories are "Lodging," and libraries are "Public Assembly."

More information on building activity definitions can be found on the CBECS website located here:

http://www.eia.gov/emeu/cbecs/building_types.html

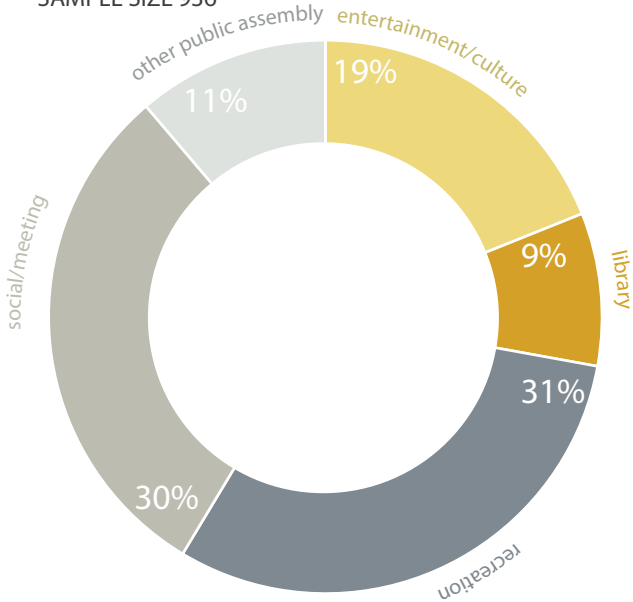
IPCCR % of Buildings with Renovations

SAMPLE SIZE 170



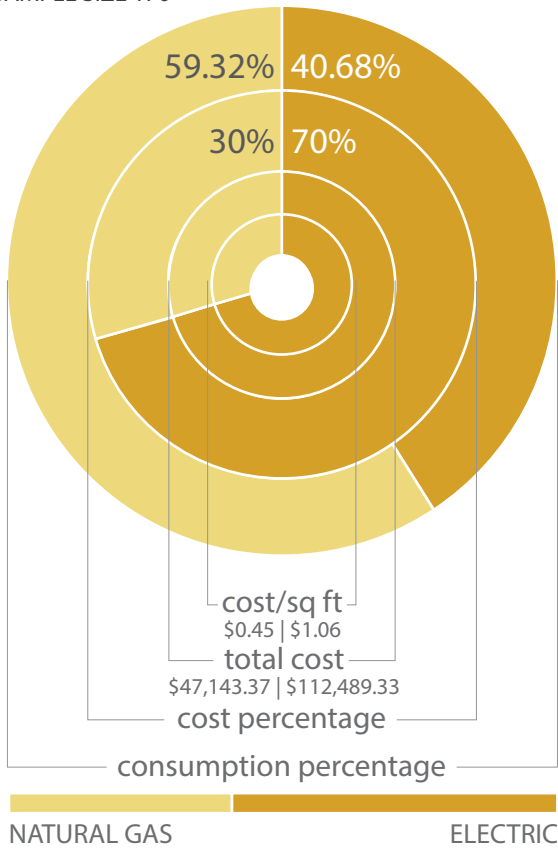
National Education Activity Breakdown

SAMPLE SIZE 936



IPCCR Utility Breakdown

SAMPLE SIZE 170



EUI 997.6

Building 4416
Midwest
Upper Quartile

EUI 531.1

Building 4403
Midwest
Upper Quartile

EUI 436.19

Building 4871
Midwest
Upper Quartile

EUI 429.8

Building 1654
West
Median Quartile

EUI 245.4

Building 3384
West
Median Quartile

EUI 107.3

Building 5059
Midwest
Median Quartile

EUI 107.1

Building 3247
West
Lower Quartile

EUI 68.5

Building 4357
West
Lower Quartile

EUI 16.7

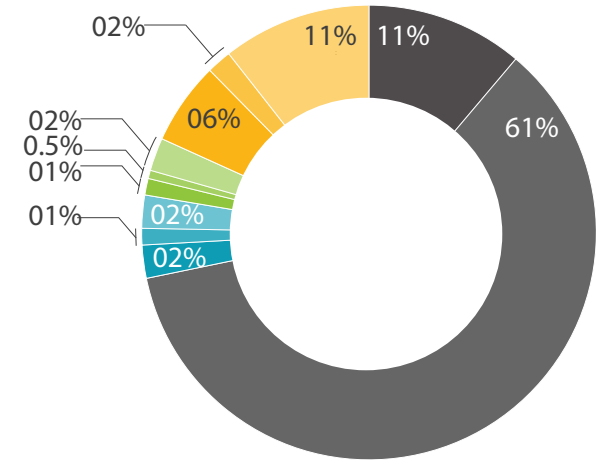
Building 4112
Midwest
Lower Quartile

IPCCR EUI by HVAC Characteristics



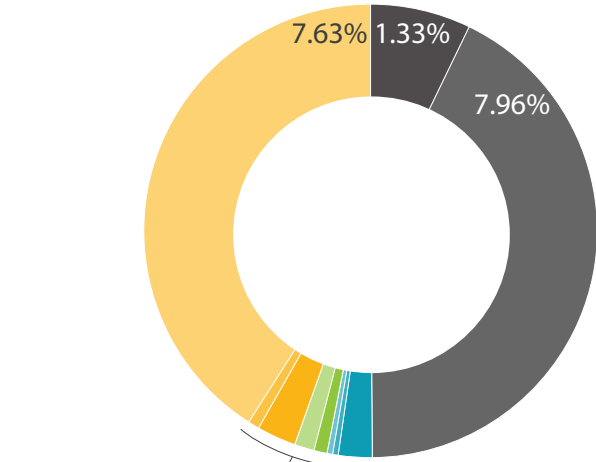
IPCCR EUI by Building Shape

SAMPLE SIZE 170

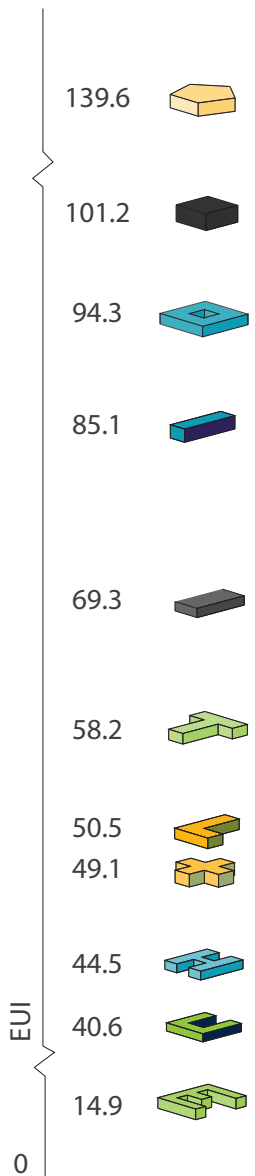


IPCCR Total Area Daylit

SAMPLE SIZE 170

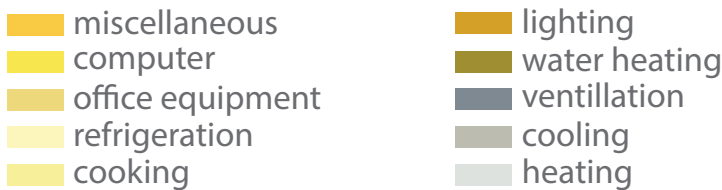
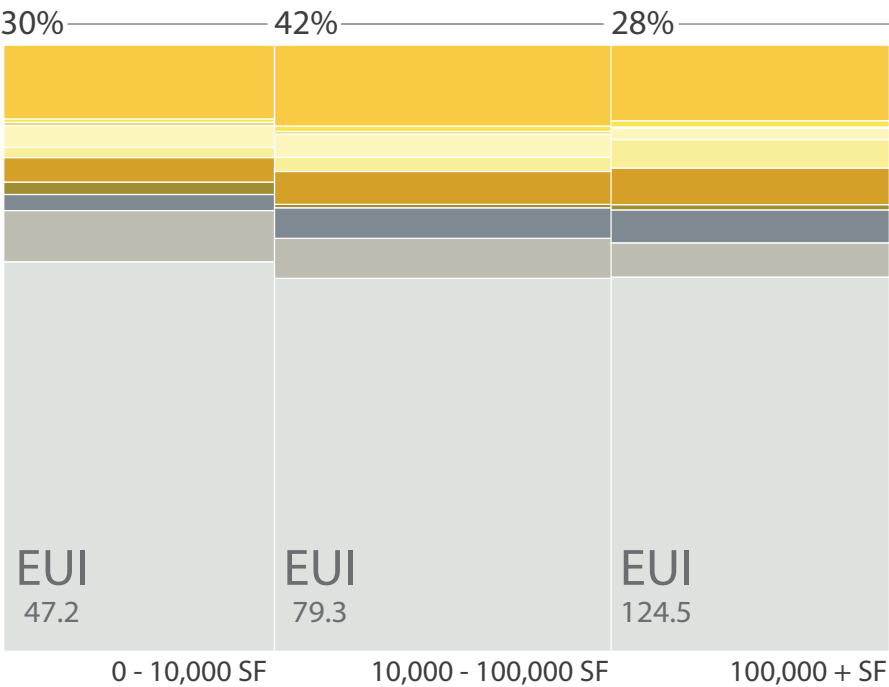


EACH LESS THAN 01%

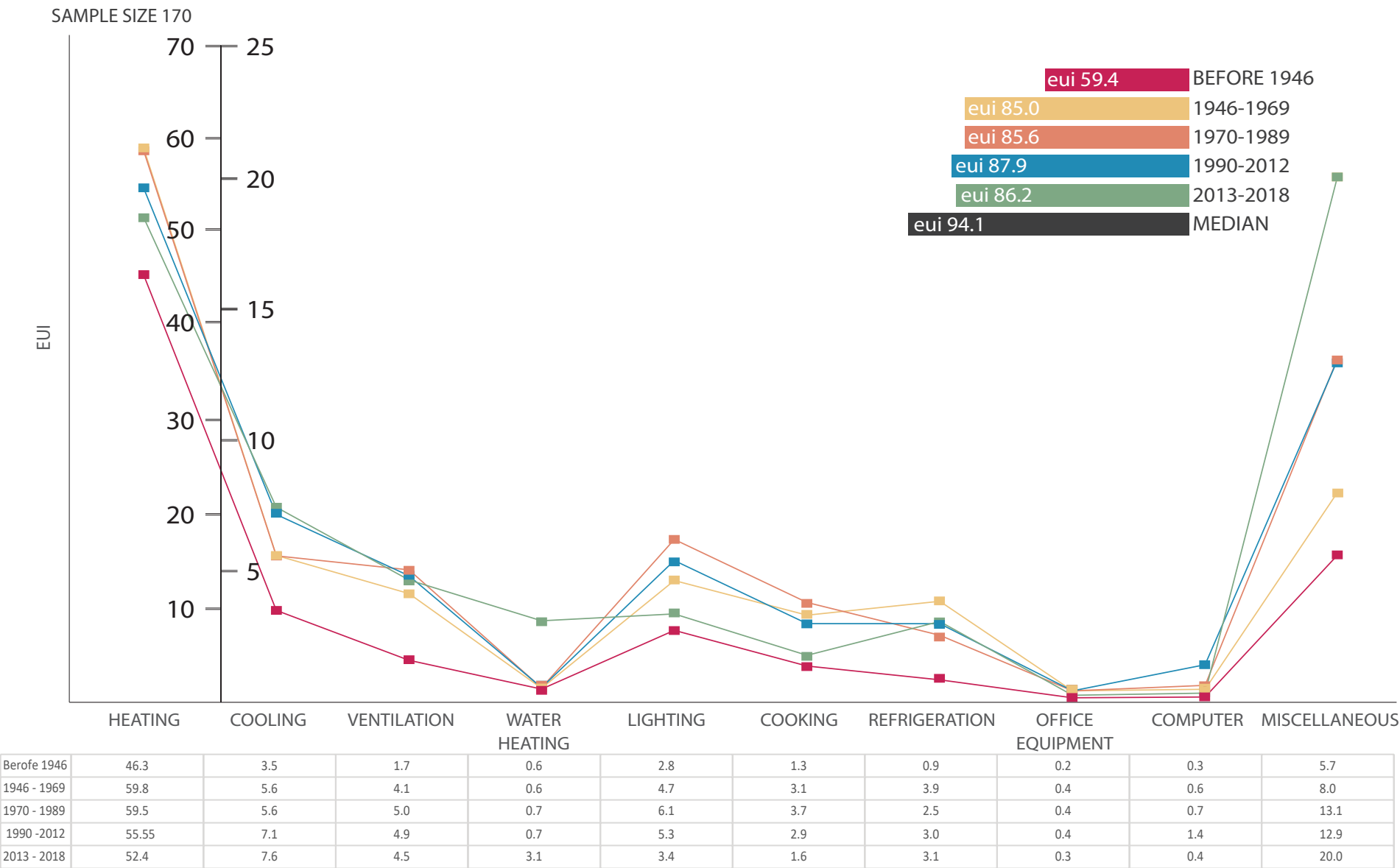


IPCCR EUI by Building Size

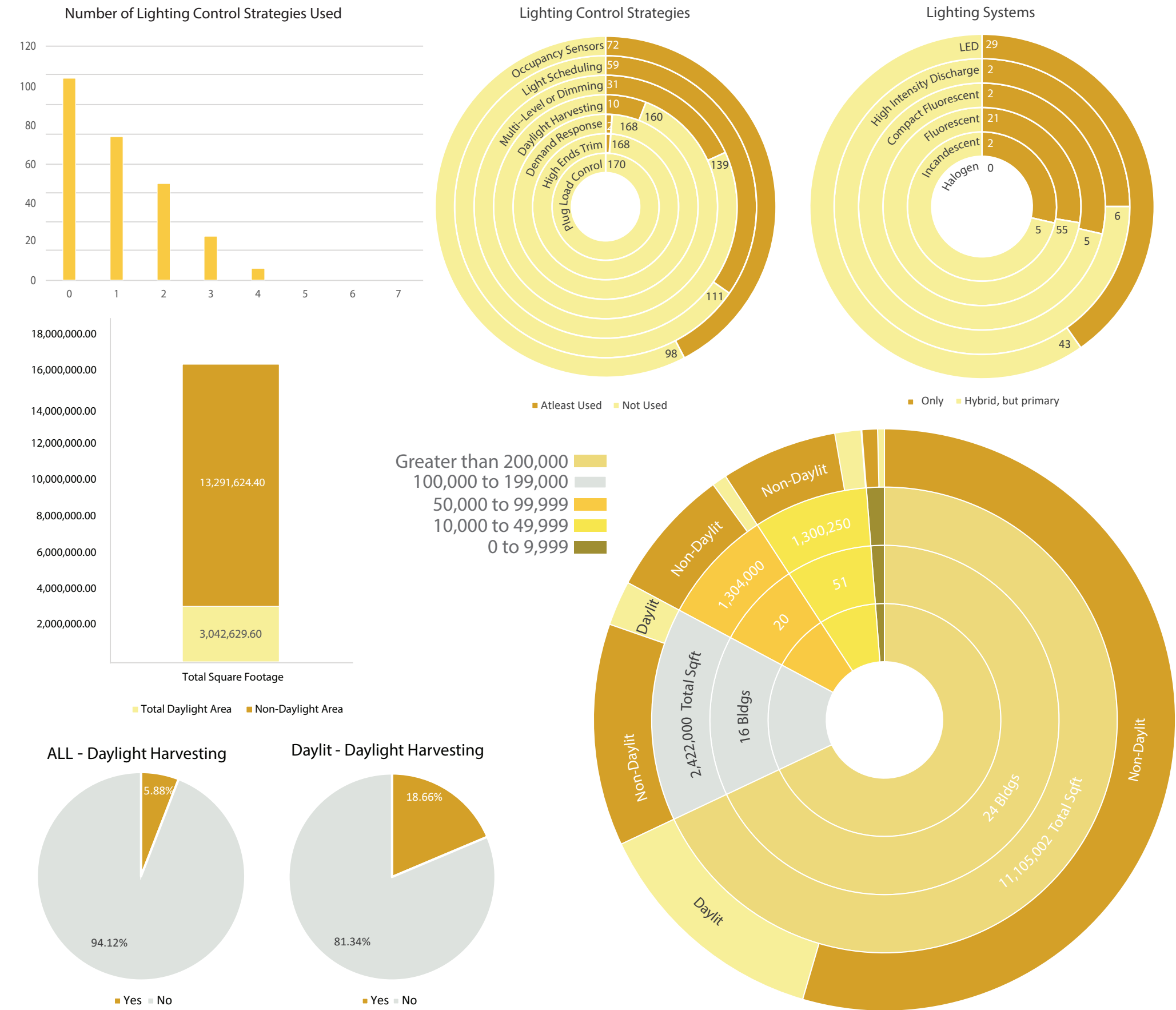
SAMPLE SIZE 170



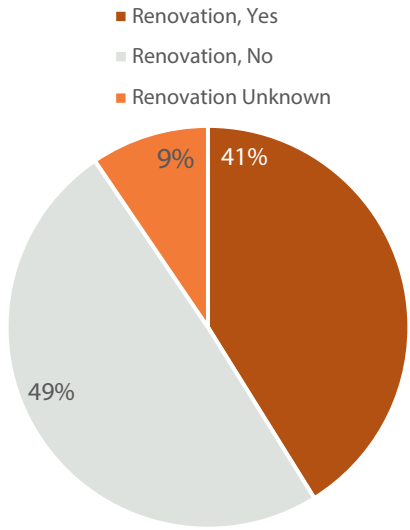
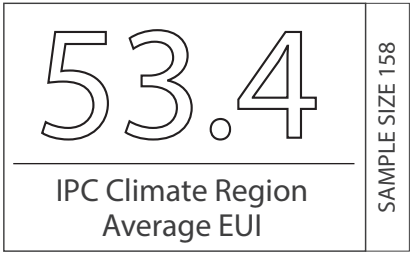
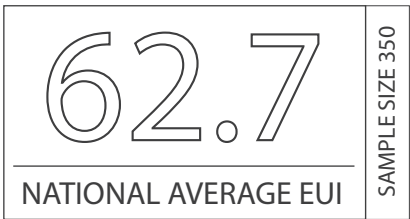
IPCCR EUI By Vintage / End Use



IPCCR Lighting



CBECS: SERVICE



The CBECS classifies buildings according to their “principal building activity (PBA)” at the time when the survey is completed. The PBA is defined as the primary business, commerce, or function within each building. For projects with multiple activity classifications, the activity that occupies the most floorspace ultimately defines the usage type category. Buildings are also classified into more specific sub-categories of activities, which are reflected in the “National Office Activity Breakdown” chart below.

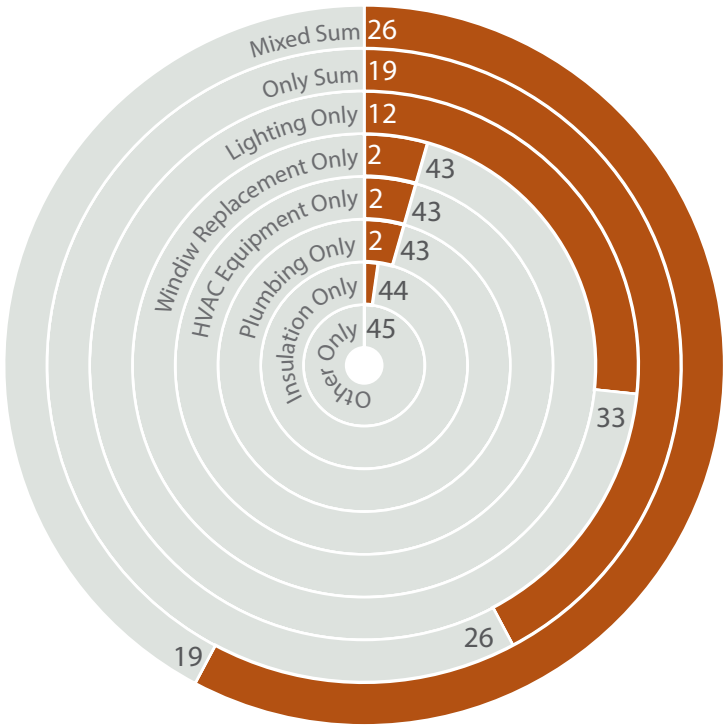
The CBECS website specifically defines the education PBA as “Buildings used for academic or technical classroom instruction, such as elementary, middle, or high schools, and classroom buildings on college or university campuses. Buildings on education campuses for which the main use is not classroom are included in the category relating to their use. For example, administration buildings are part of “Office,” dormitories are “Lodging,” and libraries are “Public Assembly.”

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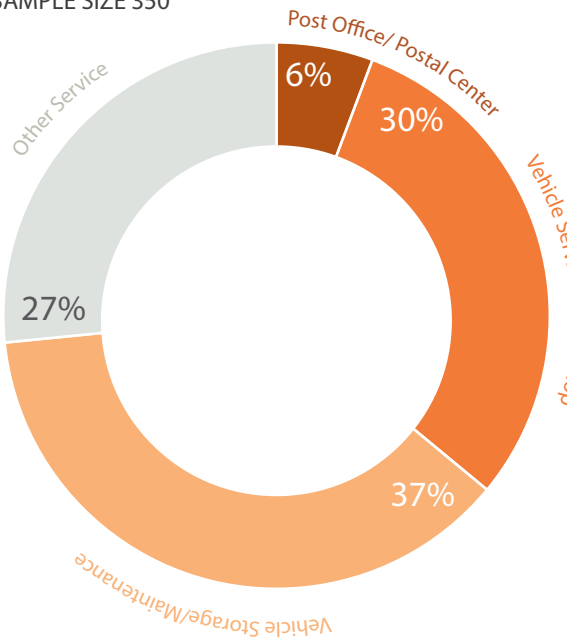
IPCCR % of Buildings with Renovations

SAMPLE SIZE 158



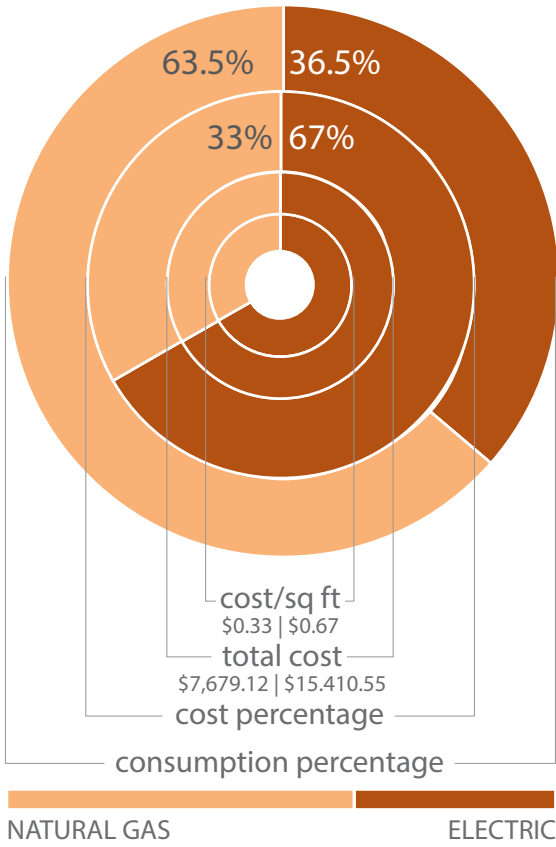
National Education Activity Breakdown

SAMPLE SIZE 350

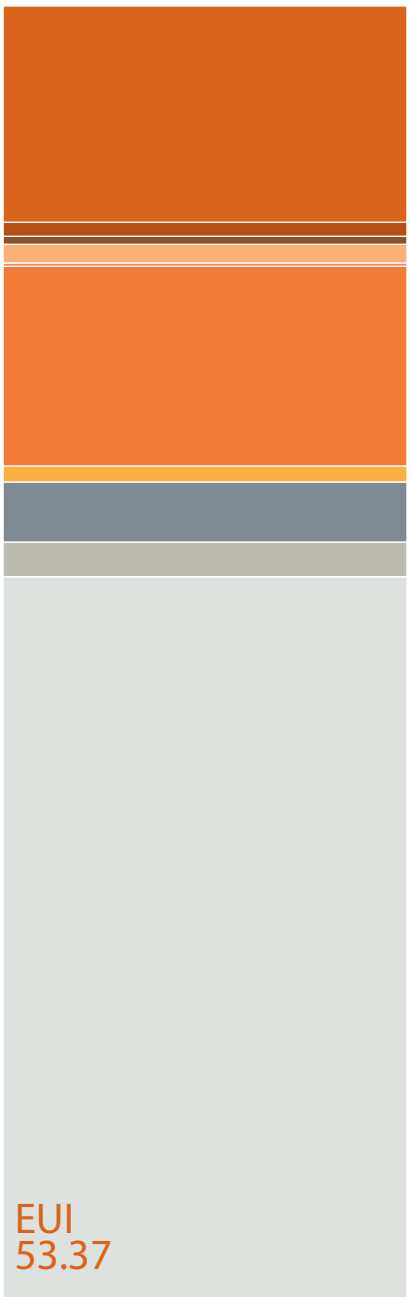


IPCCR Utility Breakdown

SAMPLE SIZE 158



IPCCR Disaggregated EUI



EUI 71.0

Building 1706
Midwest
Upper Quartile

EUI 69.0

Building 260
Midwest
Upper Quartile

EUI 21.0

Building 5579
West
Median Quartile

EUI 20.9

Building 1073
Midwest
Median Quartile

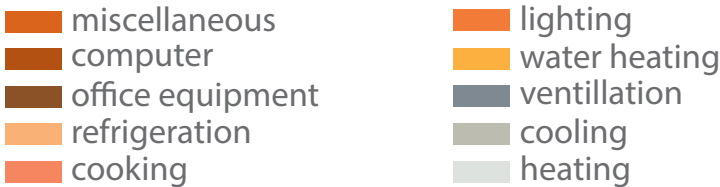
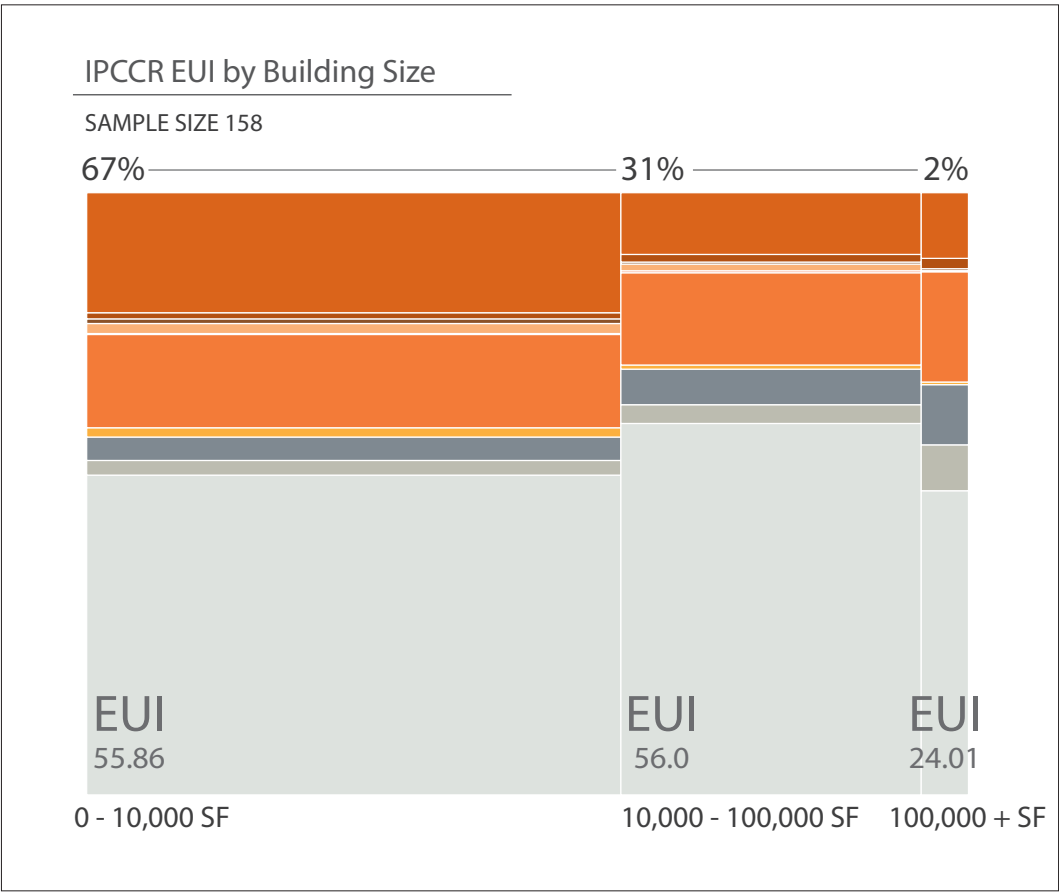
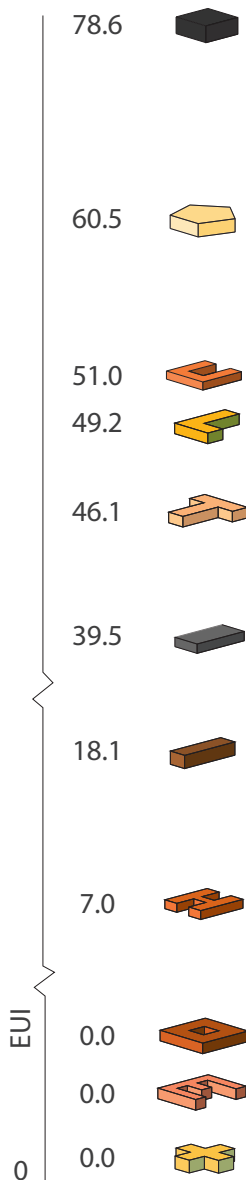
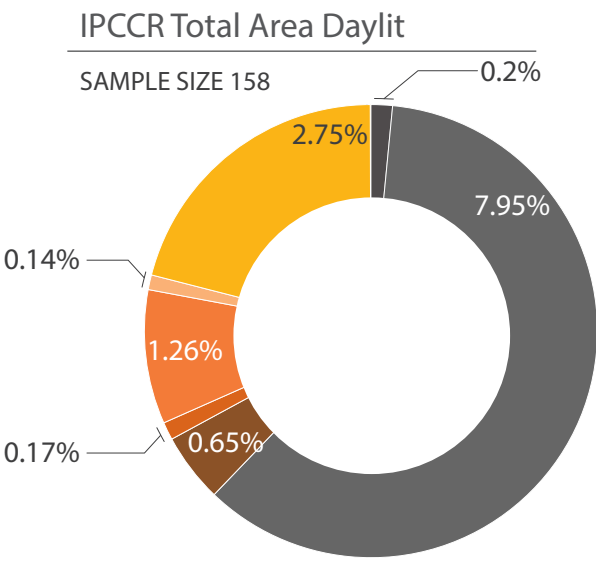
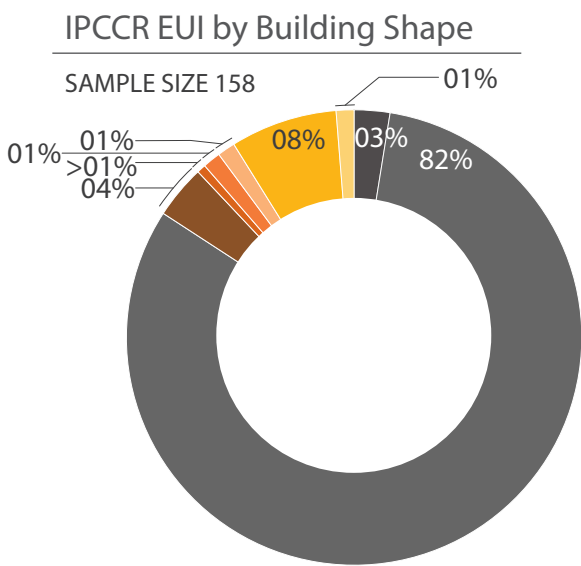
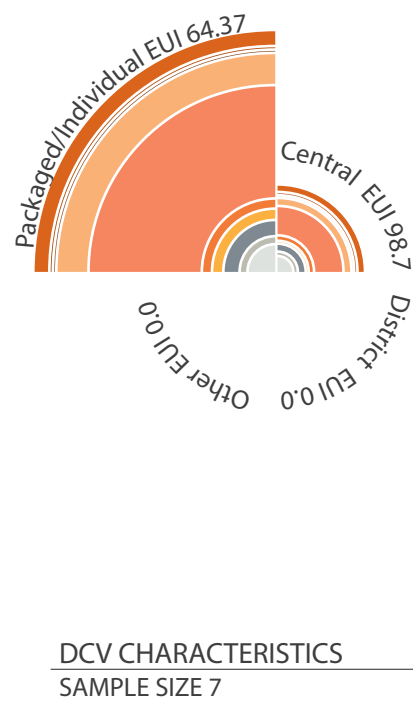
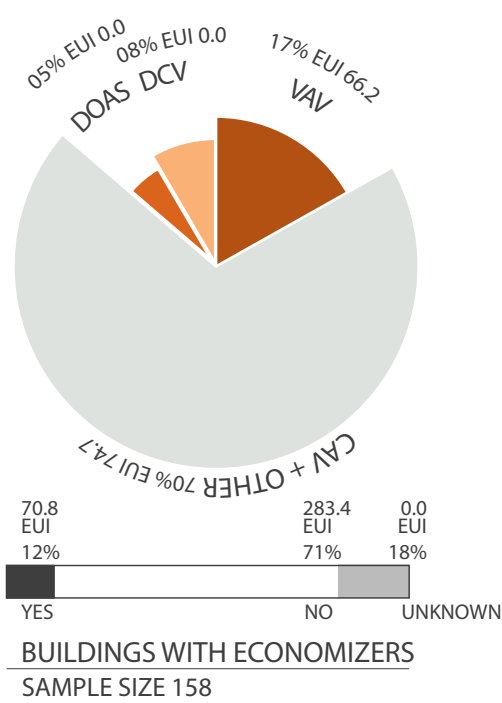
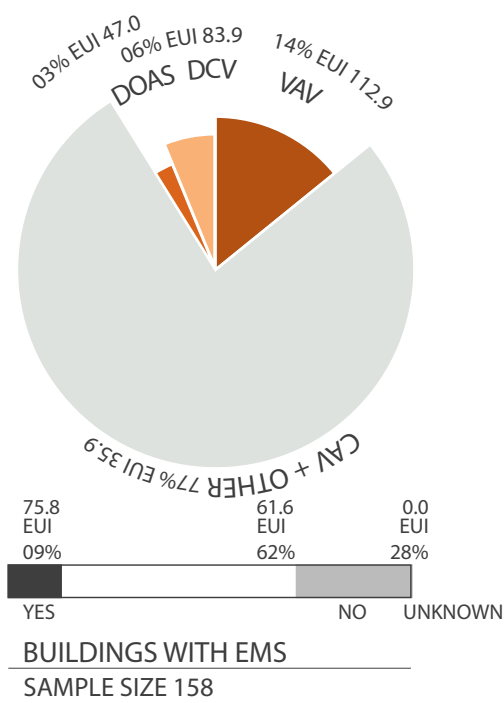
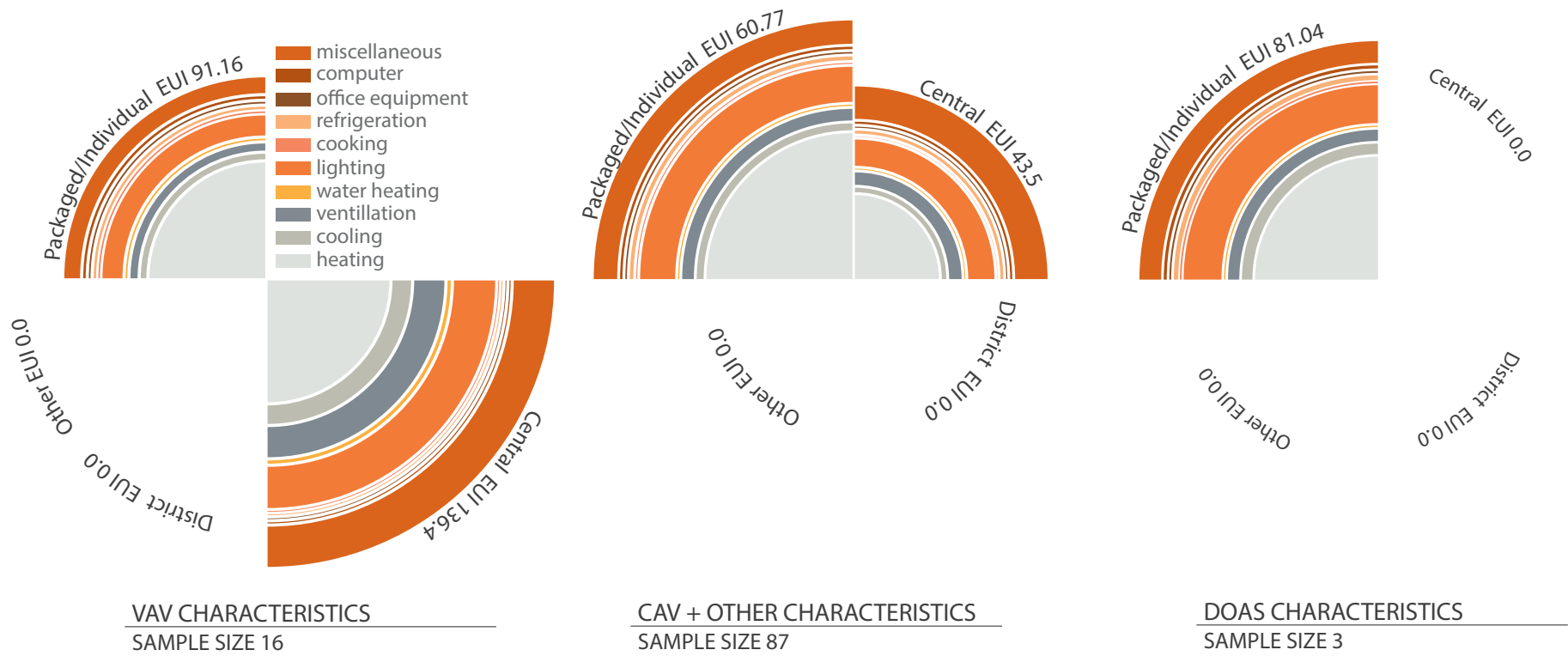
EUI 0.8

Building 2868
Midwest
Lower Quartile

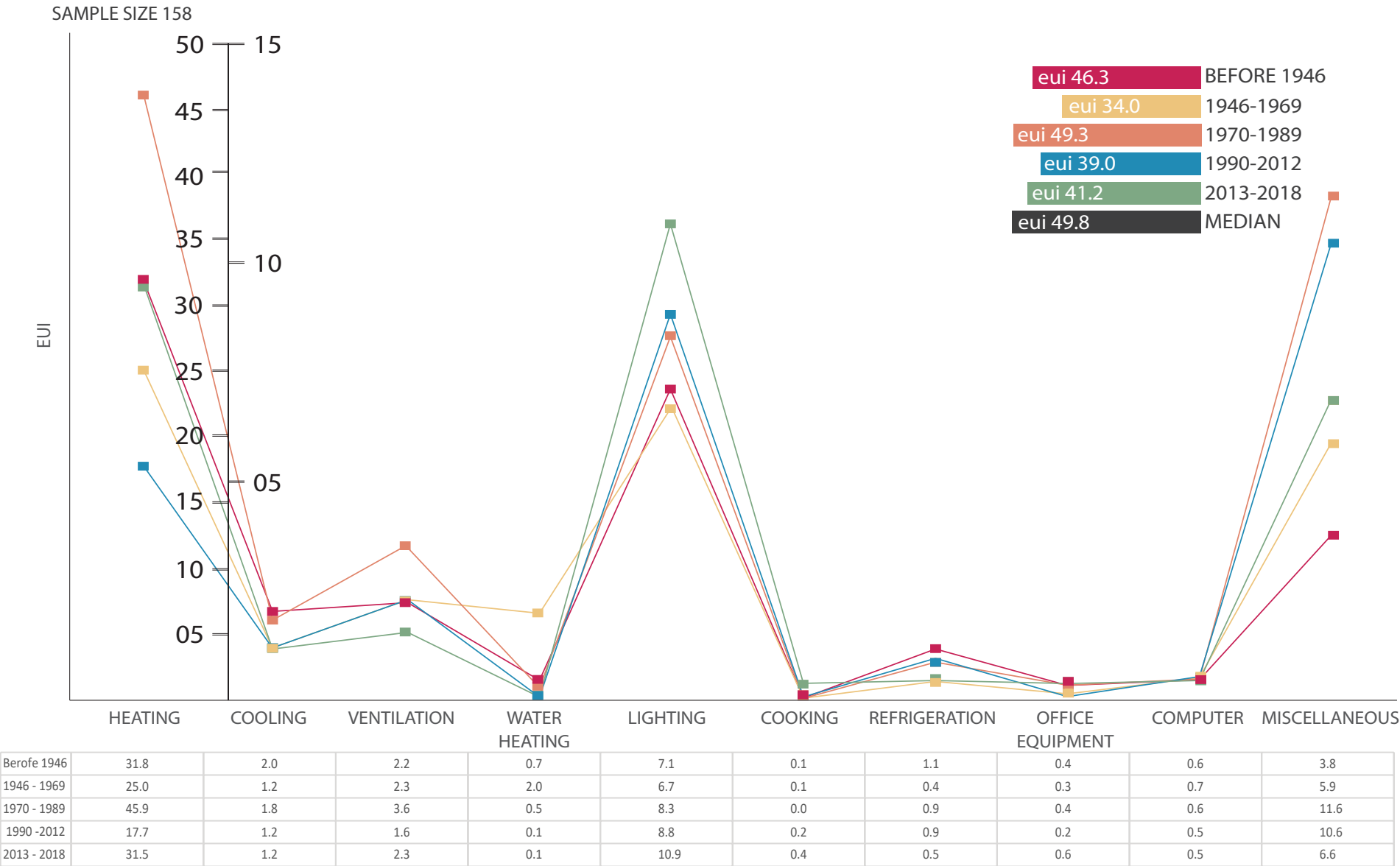
EUI 0.5

Building 2750
West
Lower Quartile

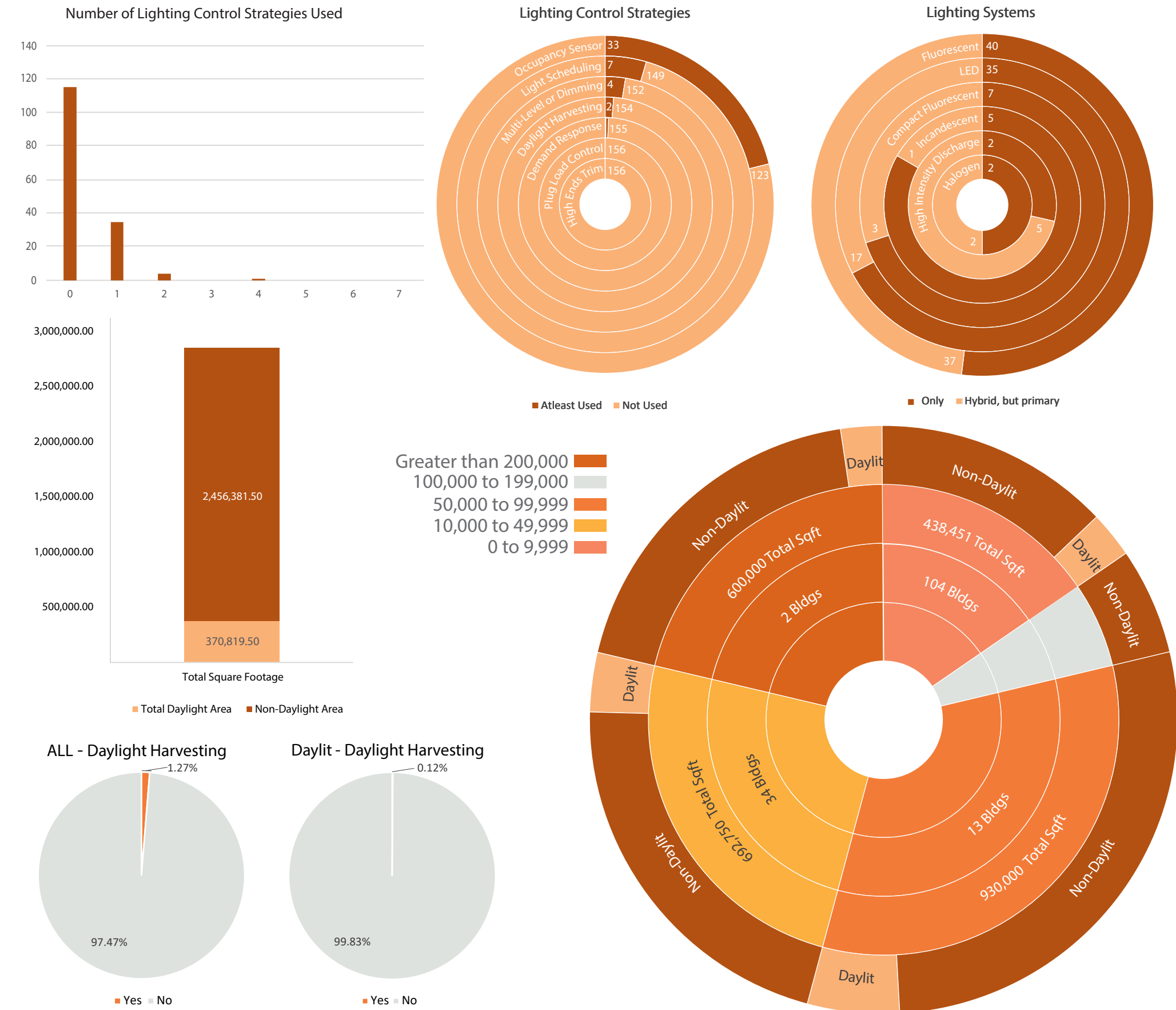
IPCCR EUI by HVAC Characteristics



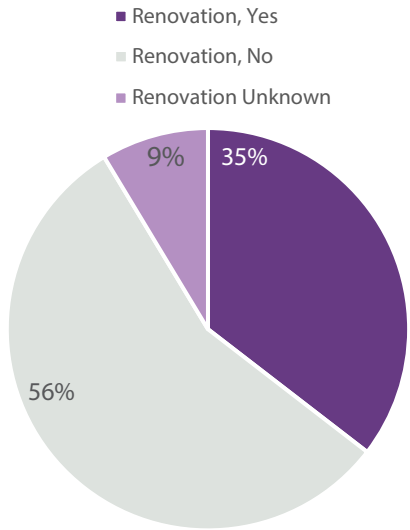
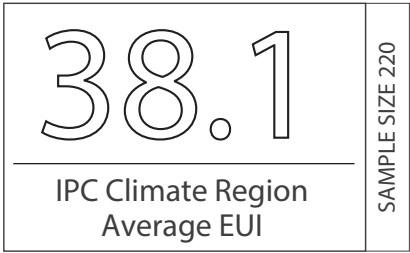
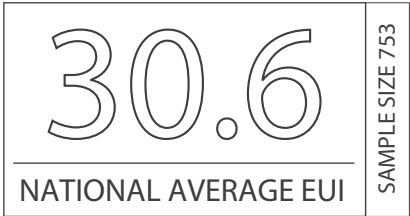
IPCCR EUI By Vintage / End Use



IPCCR Lighting



CBECS: WAREHOUSE



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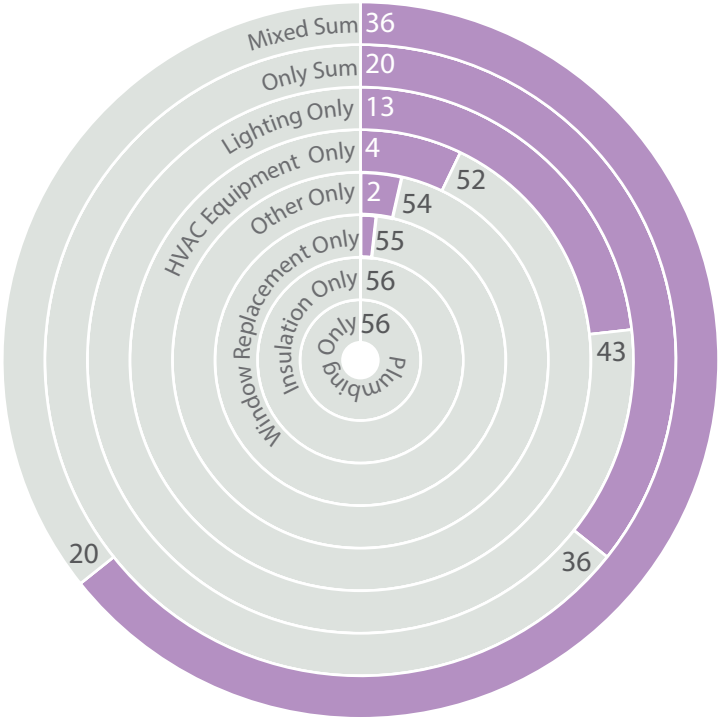
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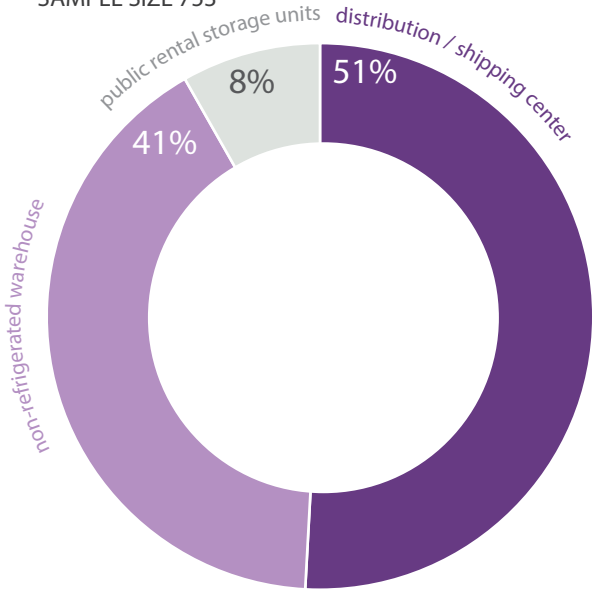
IPCCR % of Buildings with Renovations

SAMPLE SIZE 220



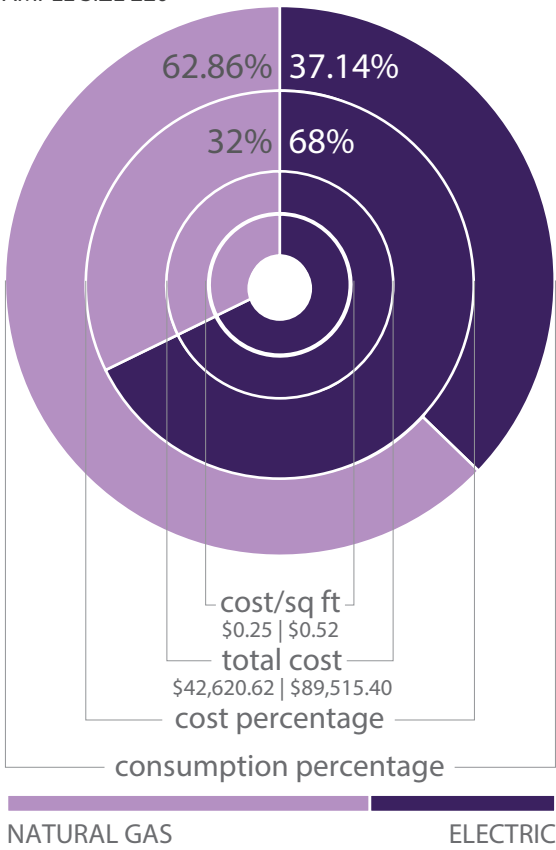
National Education Activity Breakdown

SAMPLE SIZE 753

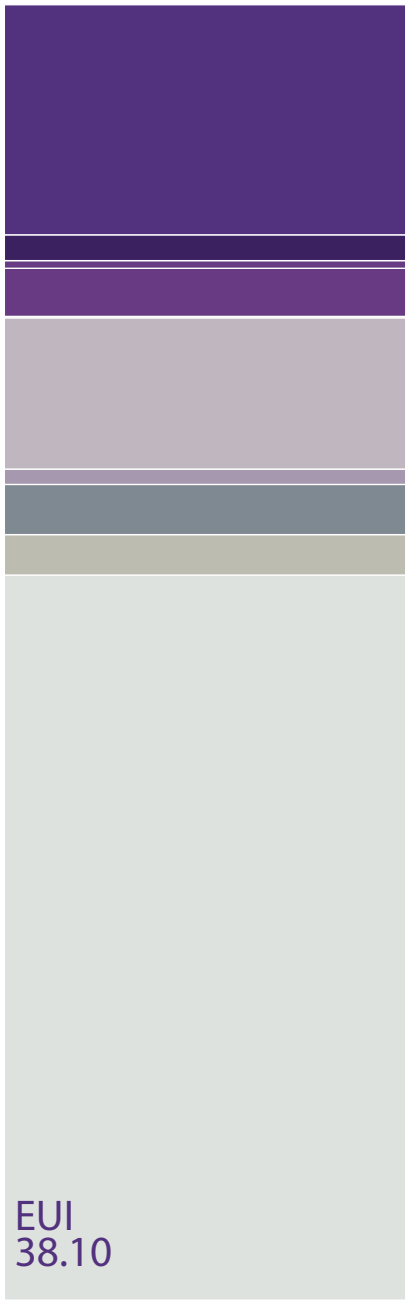


IPCCR Utility Breakdown

SAMPLE SIZE 220



IPCCR Disaggregated EUI



EUI 54.7

Building 760
Midwest
Upper Quartile

EUI 53.9

Building 541
Midwest
Upper Quartile

EUI 20.0

Building 6125
Midwest
Median Quartile

EUI 19.9

Building 6125
West
Median Quartile

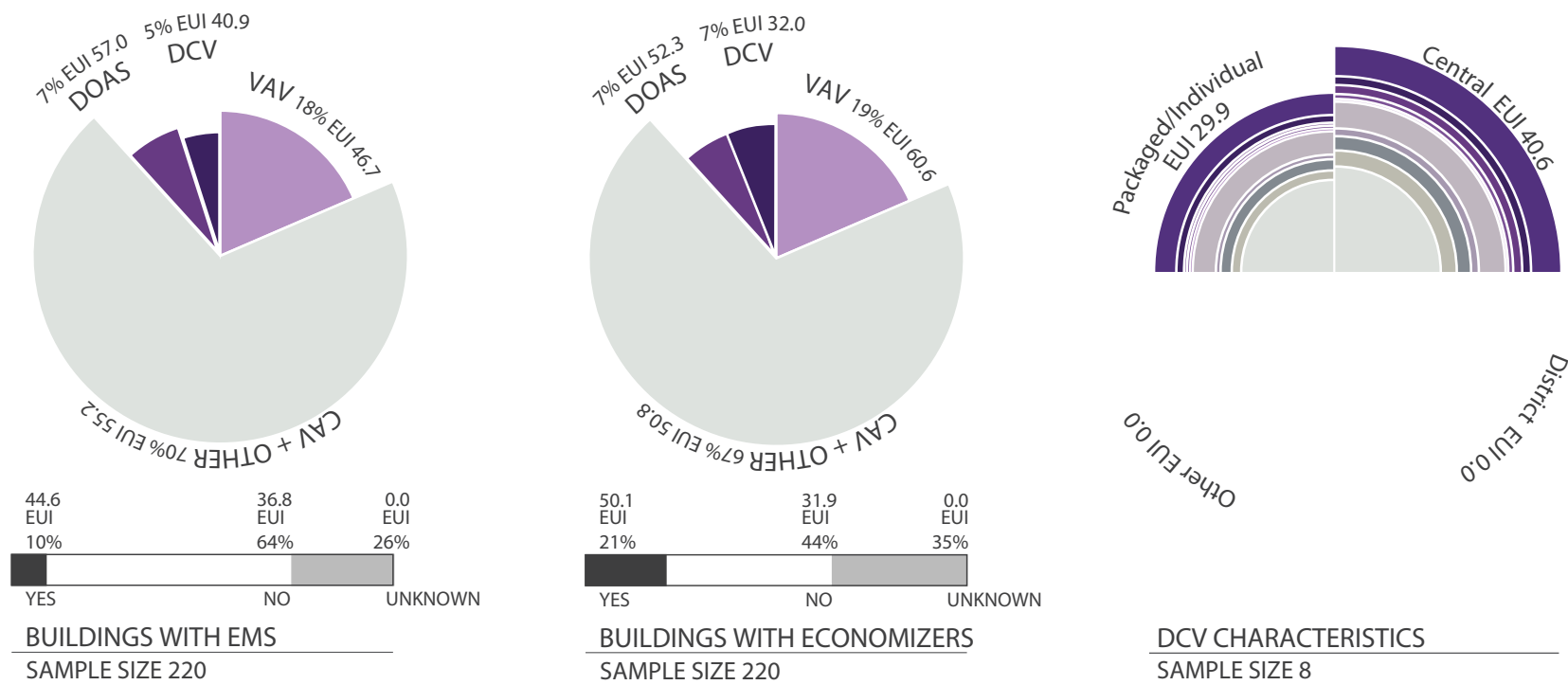
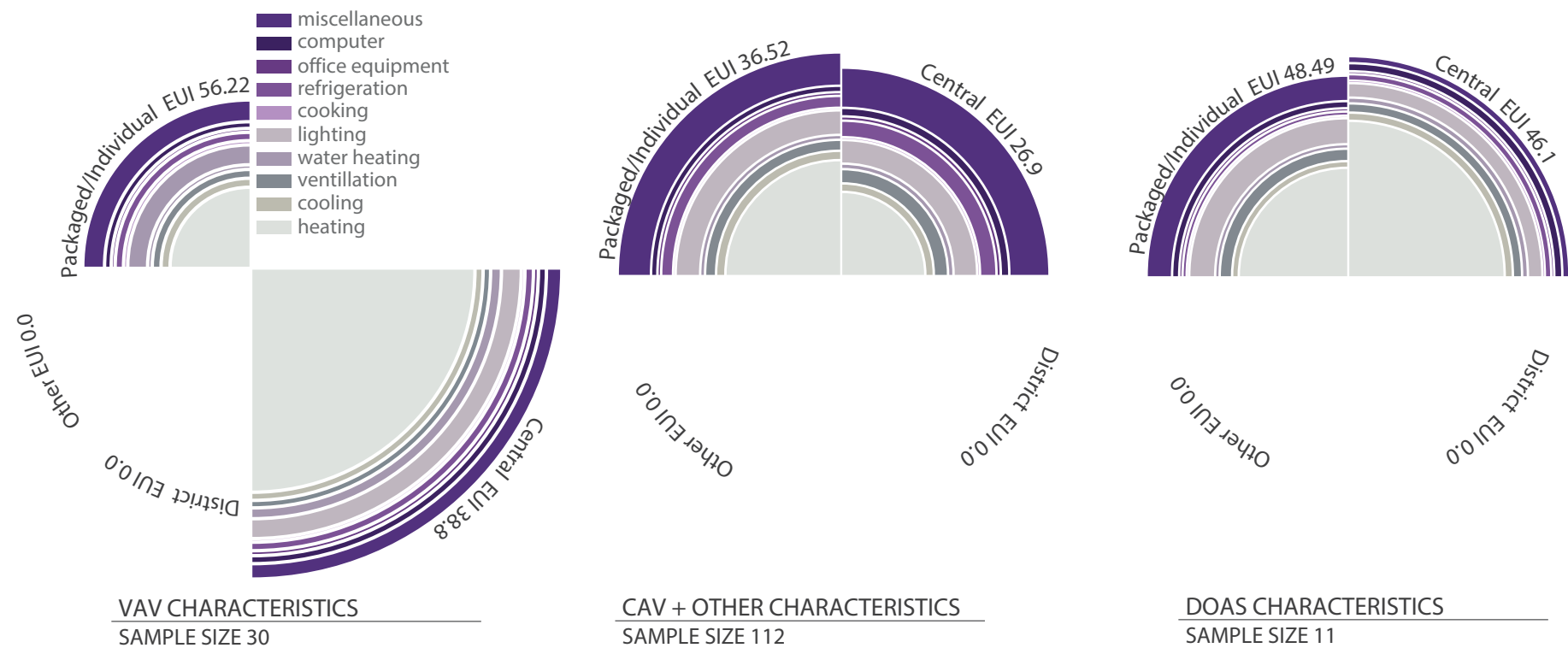
EUI 1.9

Building 3025
Midwest
Lower Quartile

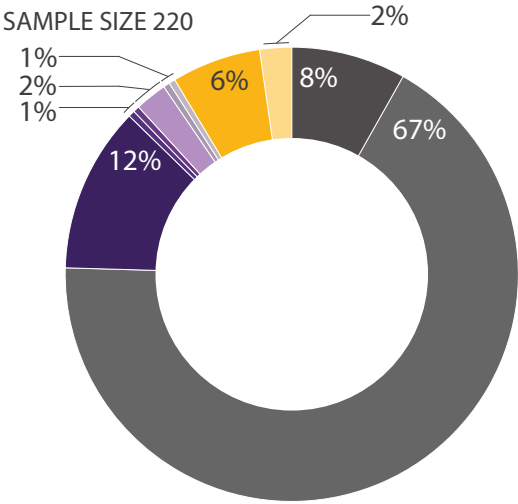
EUI 1.3

Building 774
Midwest
Lower Quartile

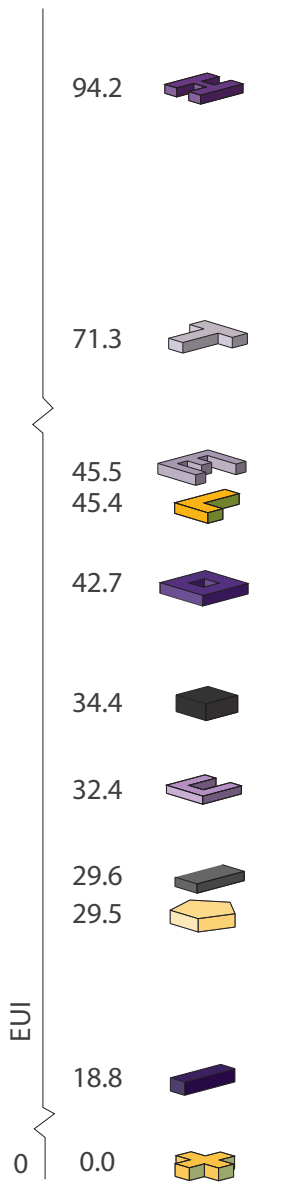
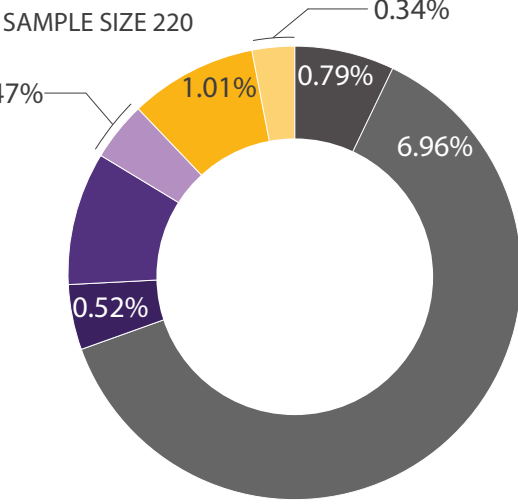
IPCCR EUI by HVAC Characteristics



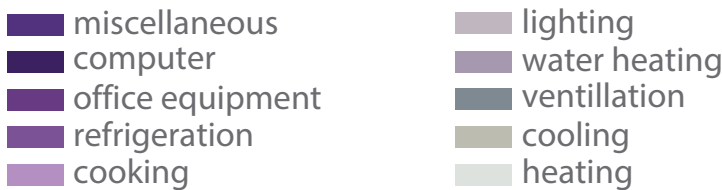
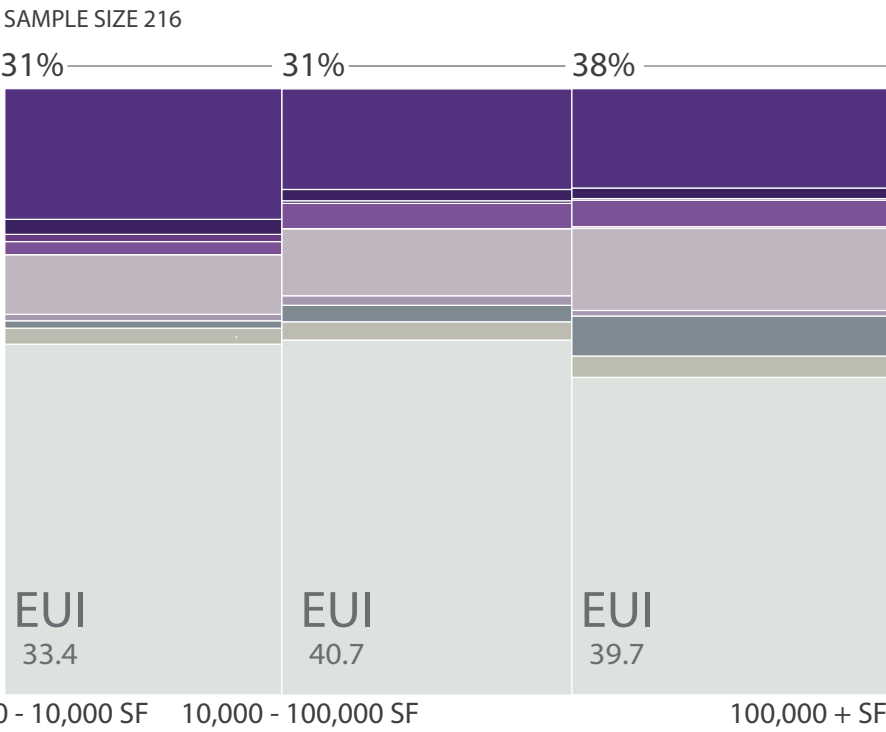
IPCCR EUI by Building Shape



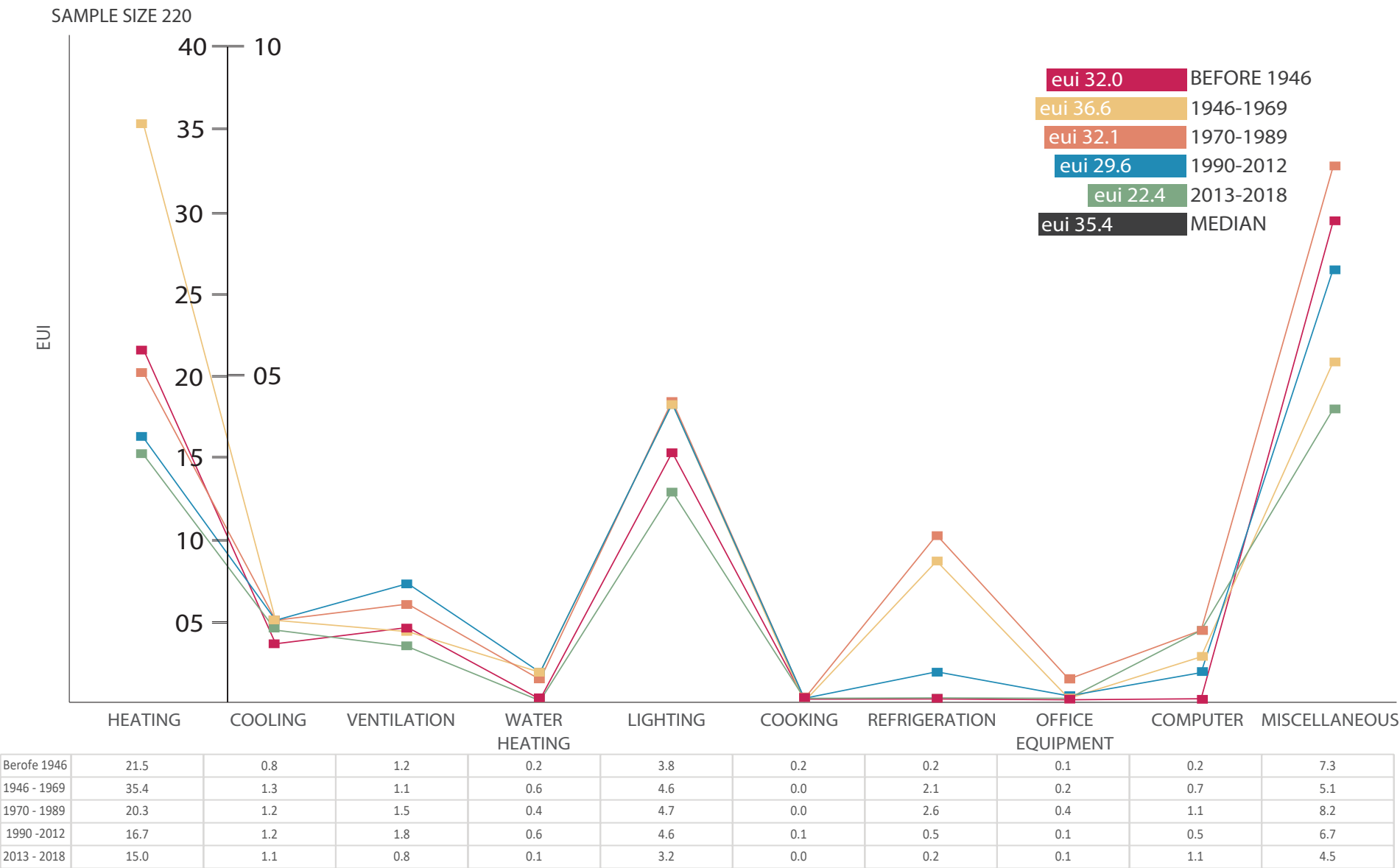
IPCCR Total Area Daylit



IPCCR EUI by Building Size



IPCCR EUI By Vintage / End Use



IPCCR Lighting

