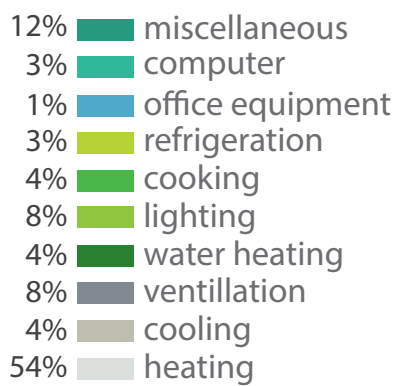
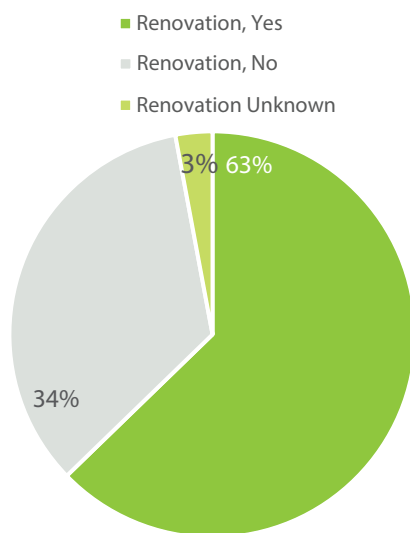
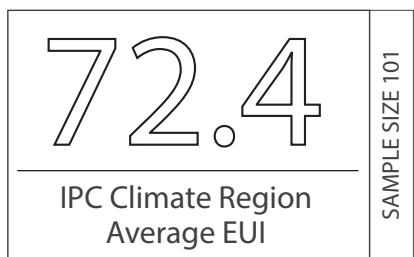
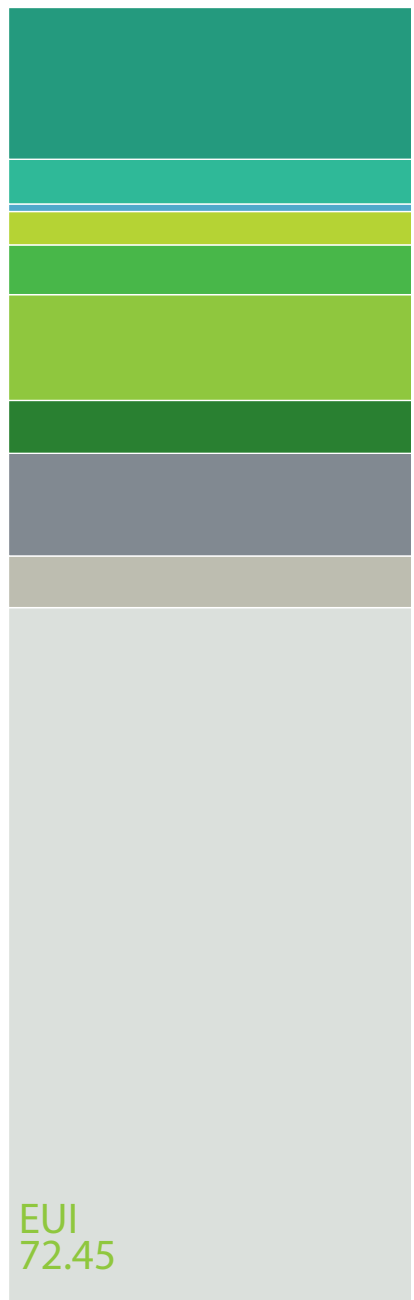


CBECS: HIGH SCHOOL



IPCCR Disaggregated EUI



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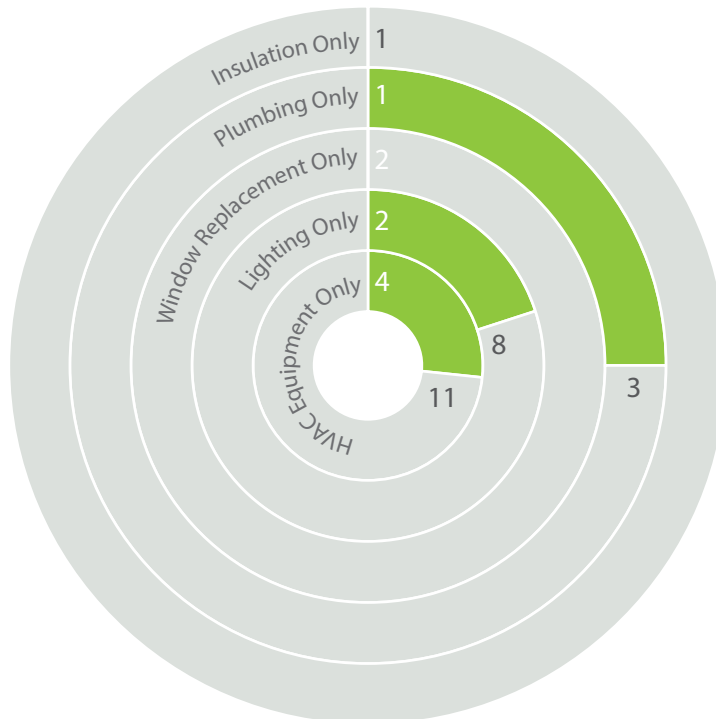
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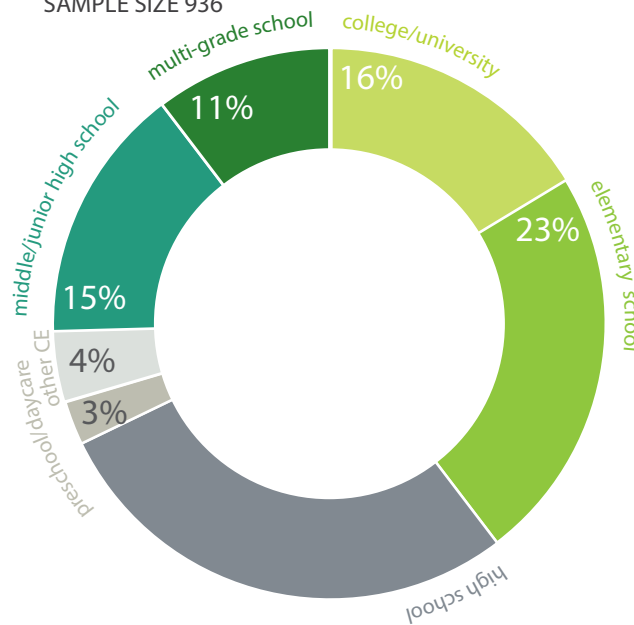
IPCCR % of Buildings with Renovations

SAMPLE SIZE 101



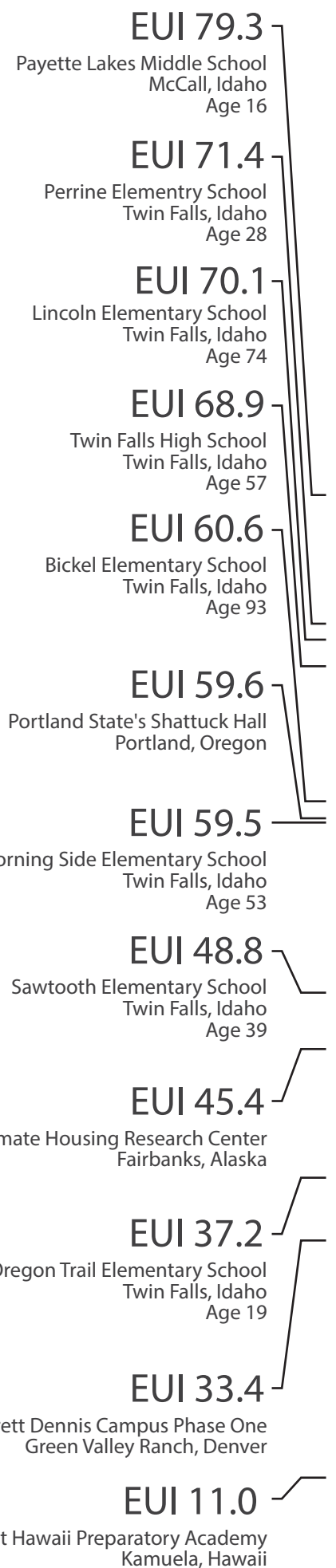
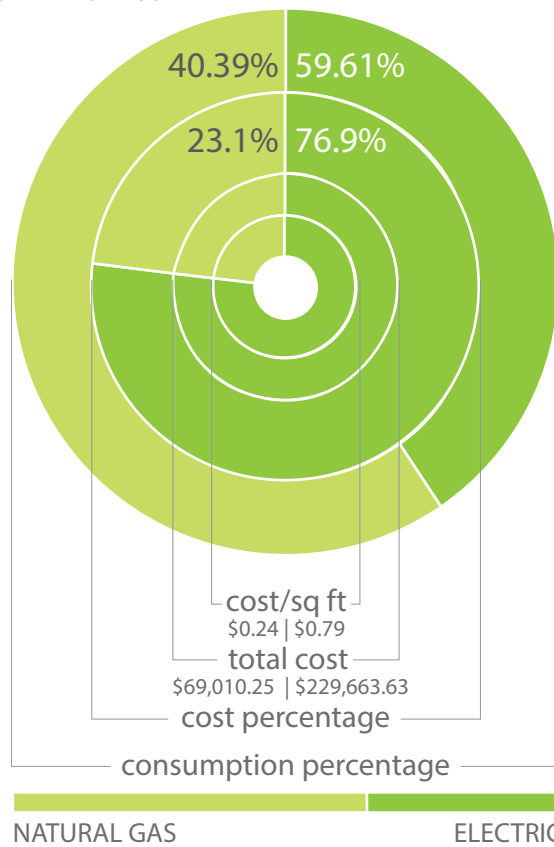
National Education Activity Breakdown

SAMPLE SIZE 936

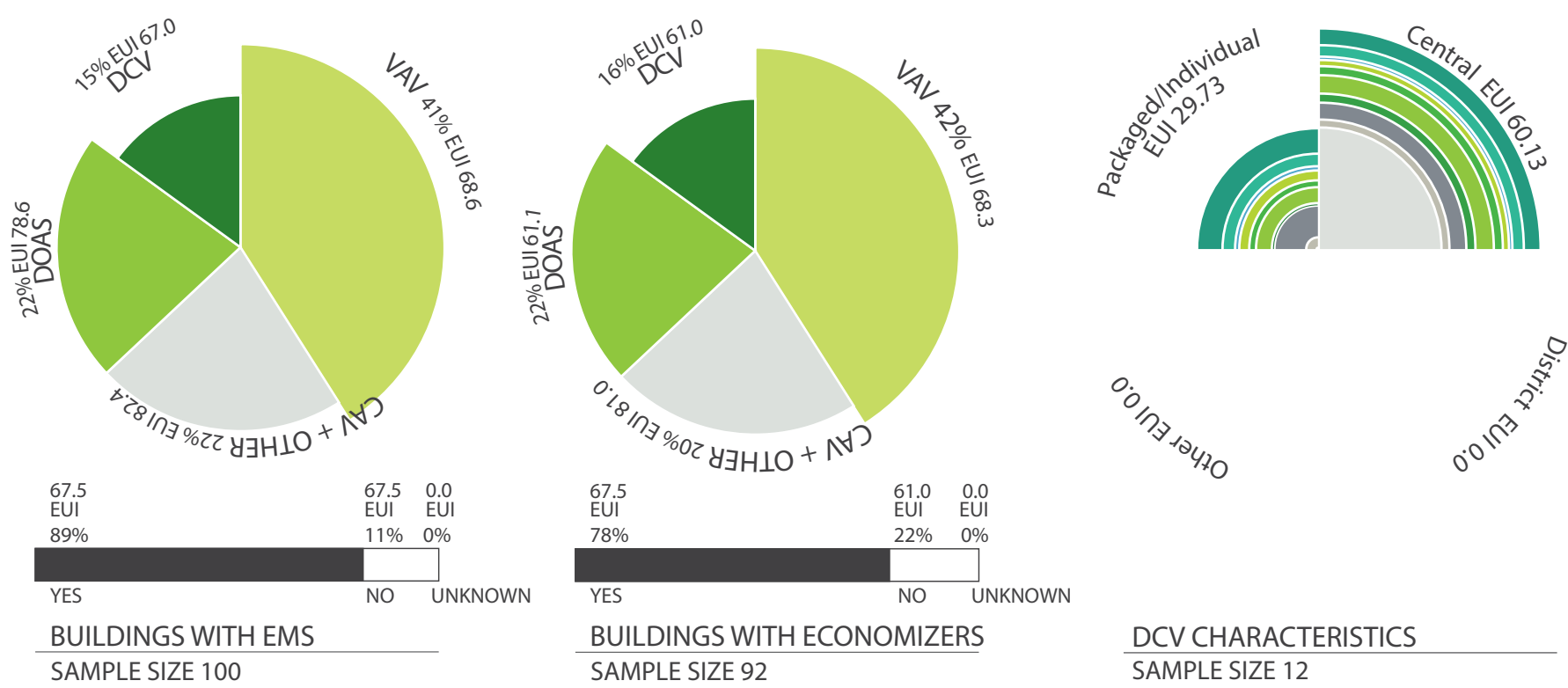
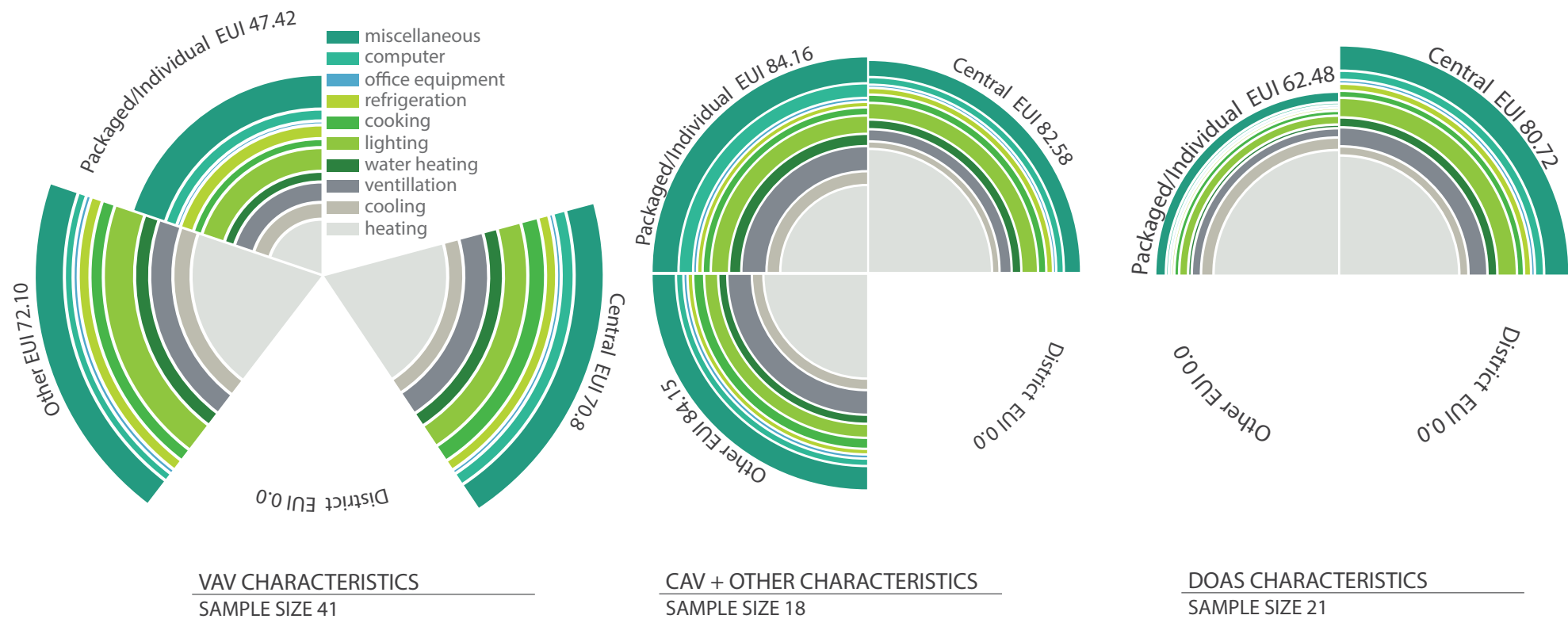


IPCCR Utility Breakdown

SAMPLE SIZE 56

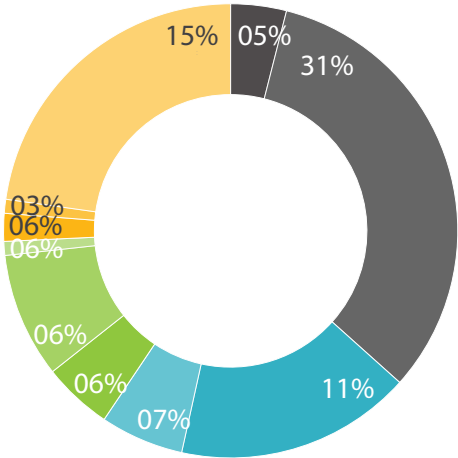


IPCCR EUI by HVAC Characteristics



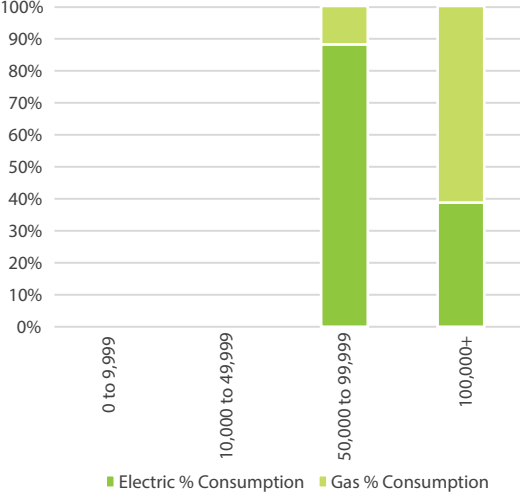
IPCCR EUI by Building Shape

SAMPLE SIZE 101



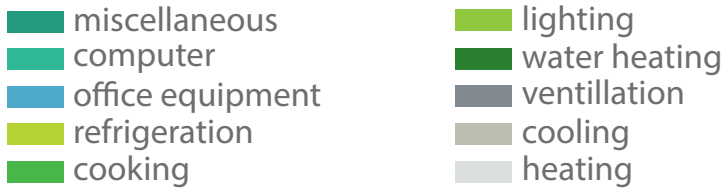
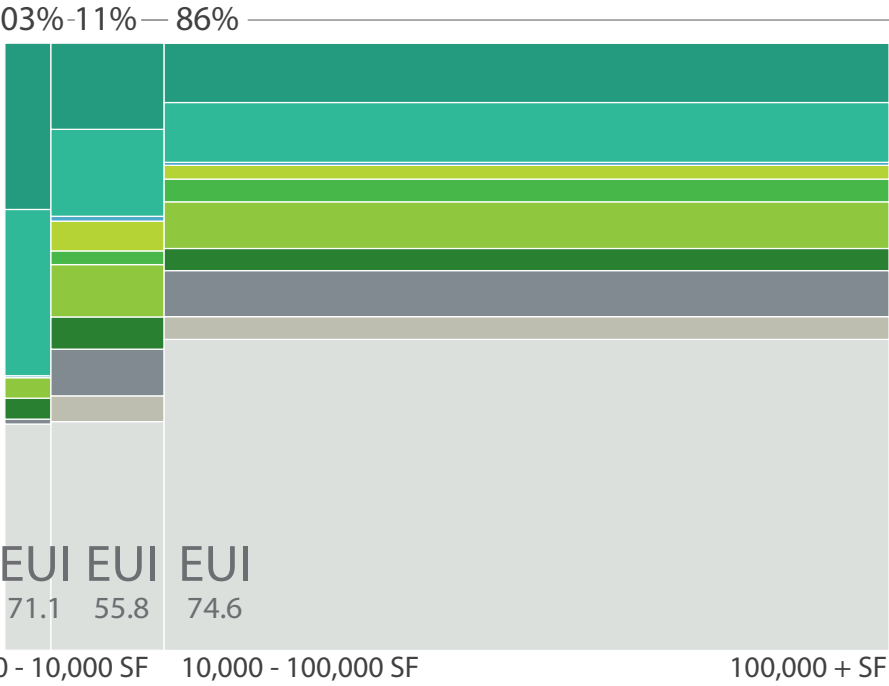
IPCCR Fuel Split by Building Size

SAMPLE SIZE 56

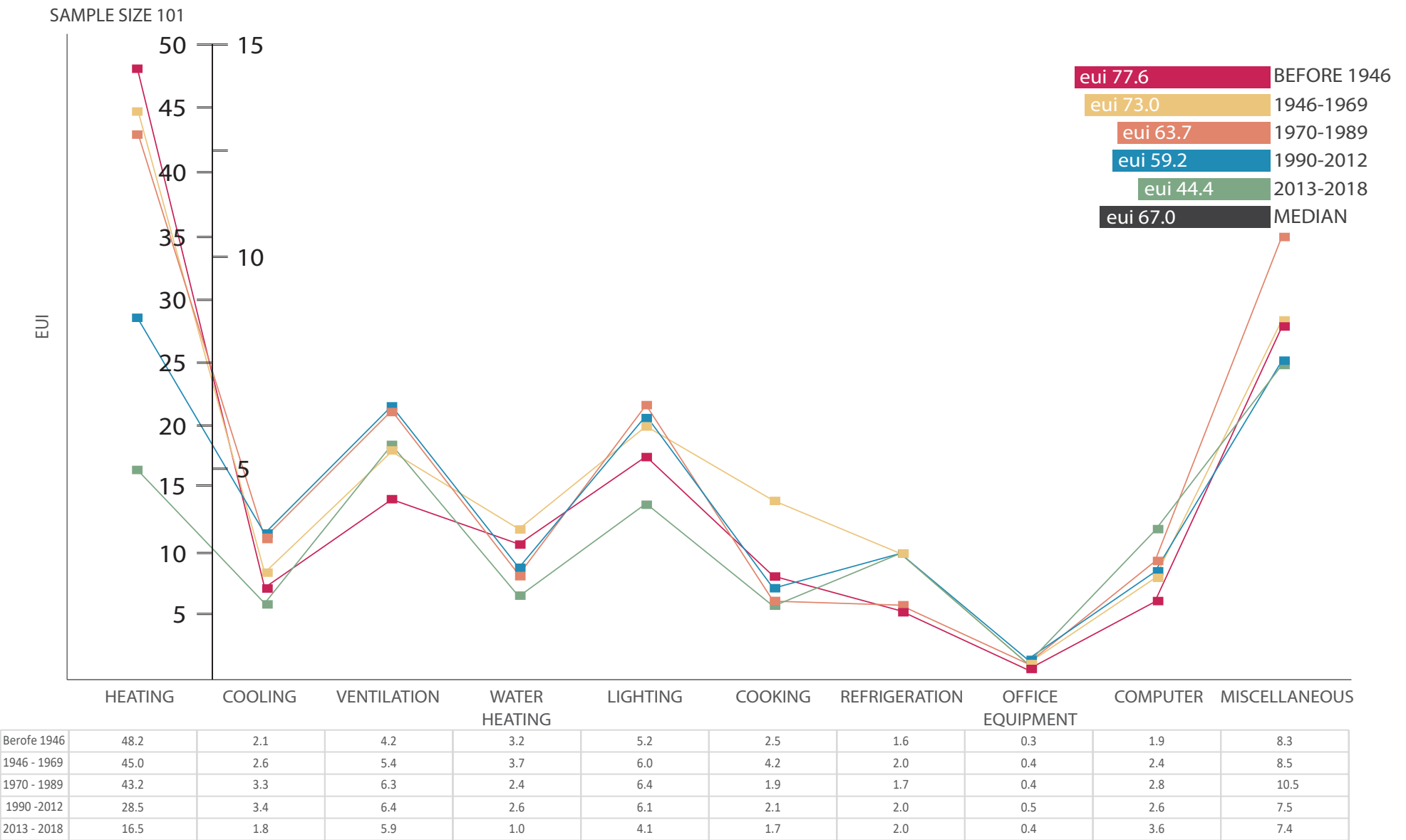


IPCCR EUI by Building Size

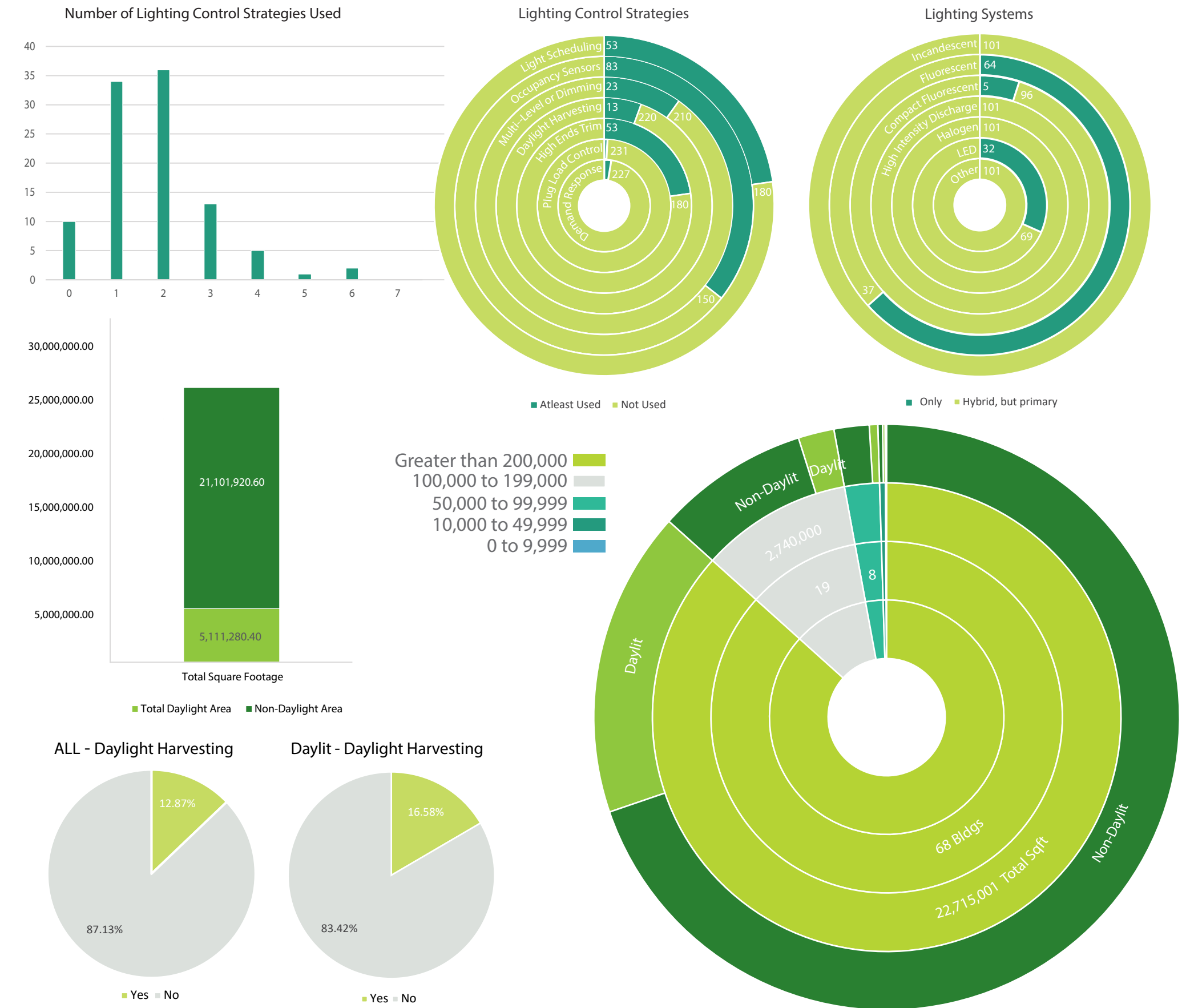
SAMPLE SIZE 101



IPCCR EUI By Vintage / End Use



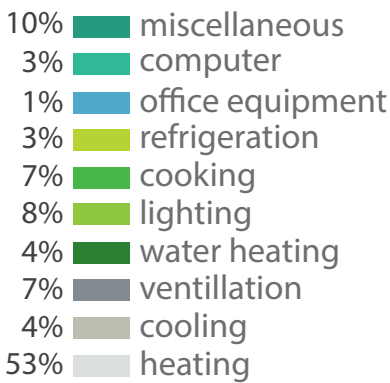
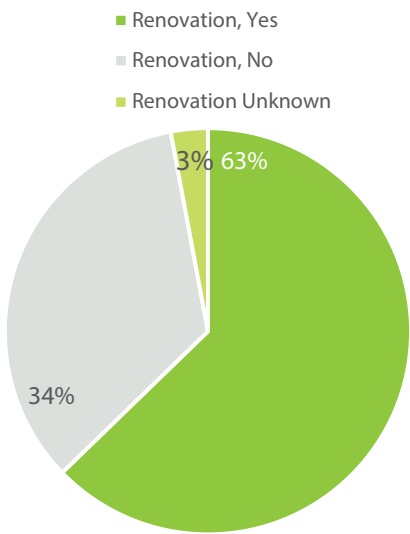
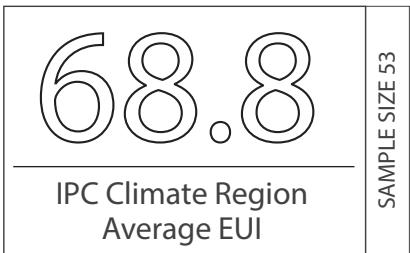
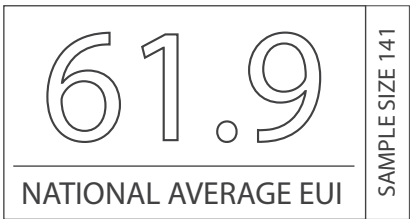
IPCCR Lighting



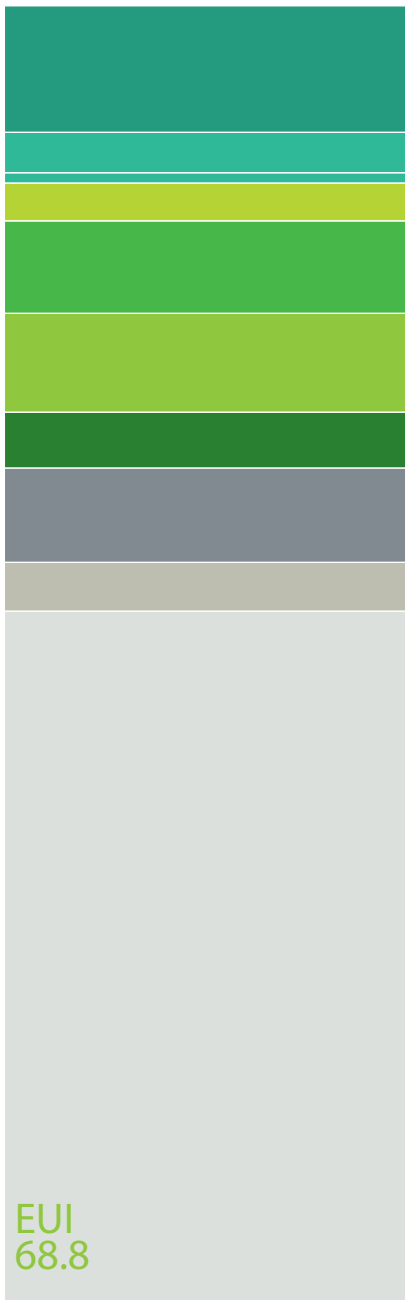
CBECS: MIDDLE/JUNIOR

created by:
INTEGRATED **idl** DESIGN LAB

sponsored by:
IDAHO POWER
An IDACORP Company



IPCCR Disaggregated EUI



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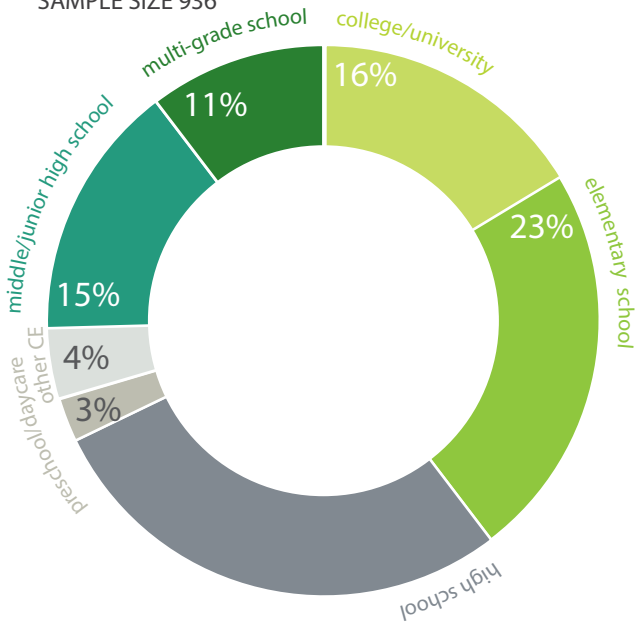
IPCCR % of Buildings with Renovations

SAMPLE SIZE 53



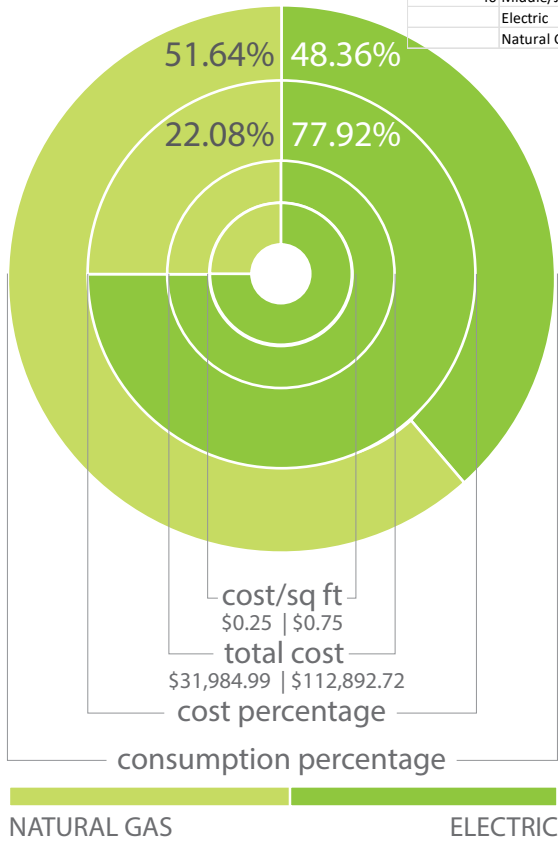
National Education Activity Breakdown

SAMPLE SIZE 936



IPCCR Utility Breakdown

SAMPLE SIZE 95



40' Middle/Junior	Consumption %	Cost %	Cost	Cost/SQFT
Electric	38.36%	75.02%	\$ 112,046.08	\$ 0.75
Natural Gas	61.64%	24.98%	\$ 37,305.65	\$ 0.25

EUI 79.3
Payette Lakes Middle School
McCall, Idaho
Age 16

EUI 71.4
Perrine Elementry School
Twin Falls, Idaho
Age 28

EUI 70.1
Lincoln Elementary School
Twin Falls, Idaho
Age 74

EUI 68.9
Twin Falls High School
Twin Falls, Idaho
Age 57

EUI 60.6
Bickel Elementary School
Twin Falls, Idaho
Age 93

EUI 59.6
Portland State's Shattuck Hall
Portland, Oregon

EUI 59.5
Morning Side Elementary School
Twin Falls, Idaho
Age 53

EUI 48.8
Sawtooth Elementary School
Twin Falls, Idaho
Age 39

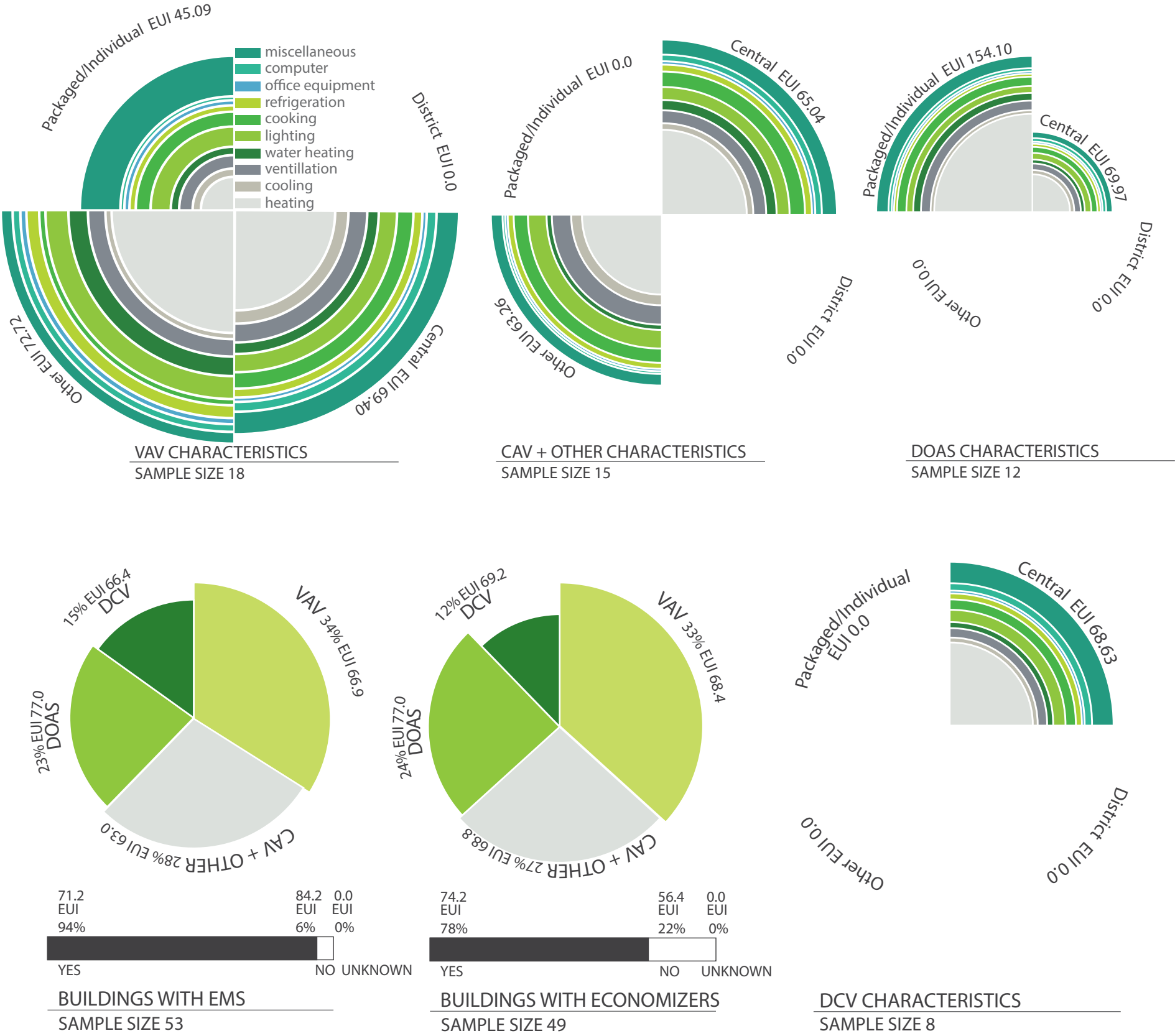
EUI 45.4
Cold Climate Housing Research Center
Fairbanks, Alaska

EUI 37.2
Oregon Trail Elementary School
Twin Falls, Idaho
Age 19

EUI 33.4
Evie Garrett Dennis Campus Phase One
Green Valley Ranch, Denver

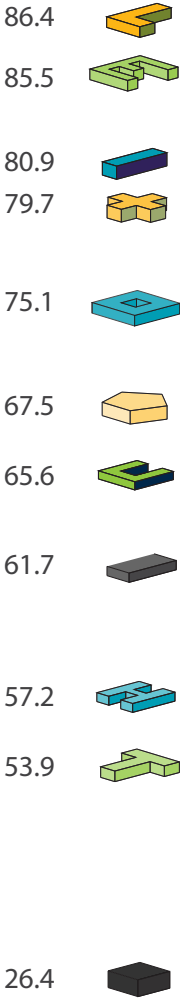
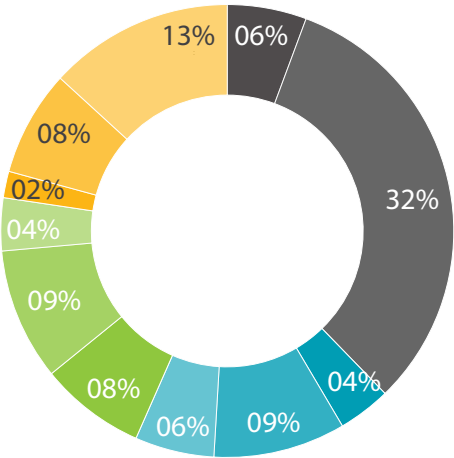
EUI 11.0
The Energy Lab at Hawaii Preparatory Academy
Kamuela, Hawaii

IPCCR EUI by HVAC Characteristics



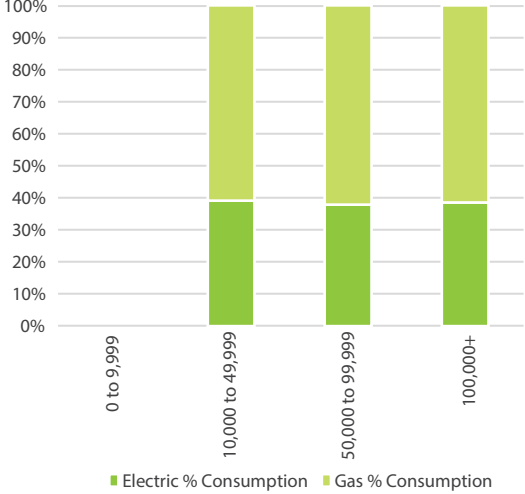
IPCCR EUI by Building Shape

SAMPLE SIZE 53



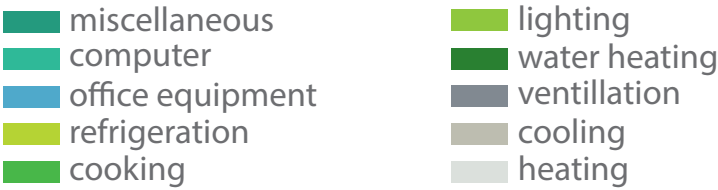
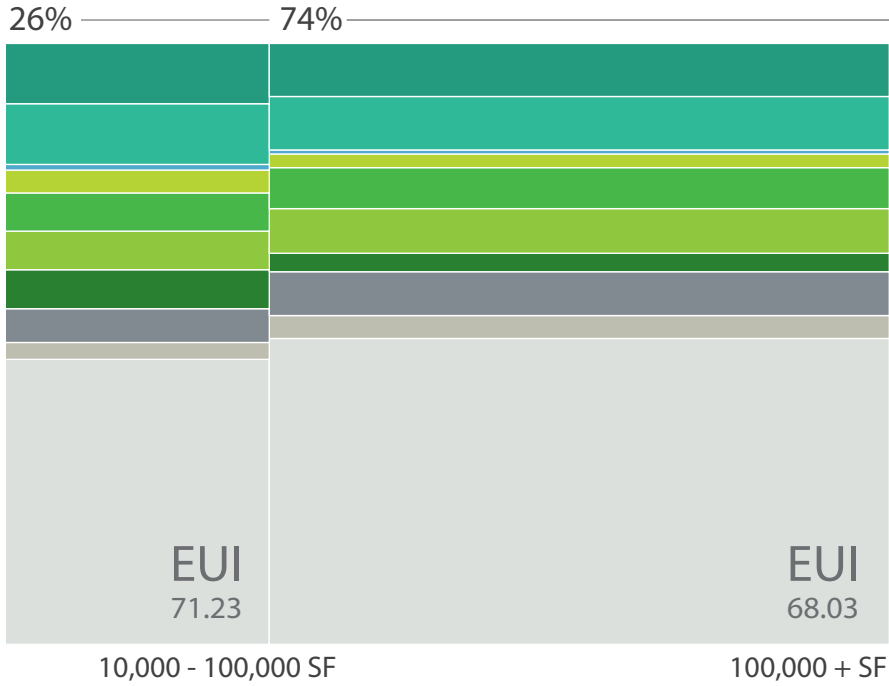
IPCCR Fuel Split by Building Size

SAMPLE SIZE 40



IPCCR EUI by Building Size

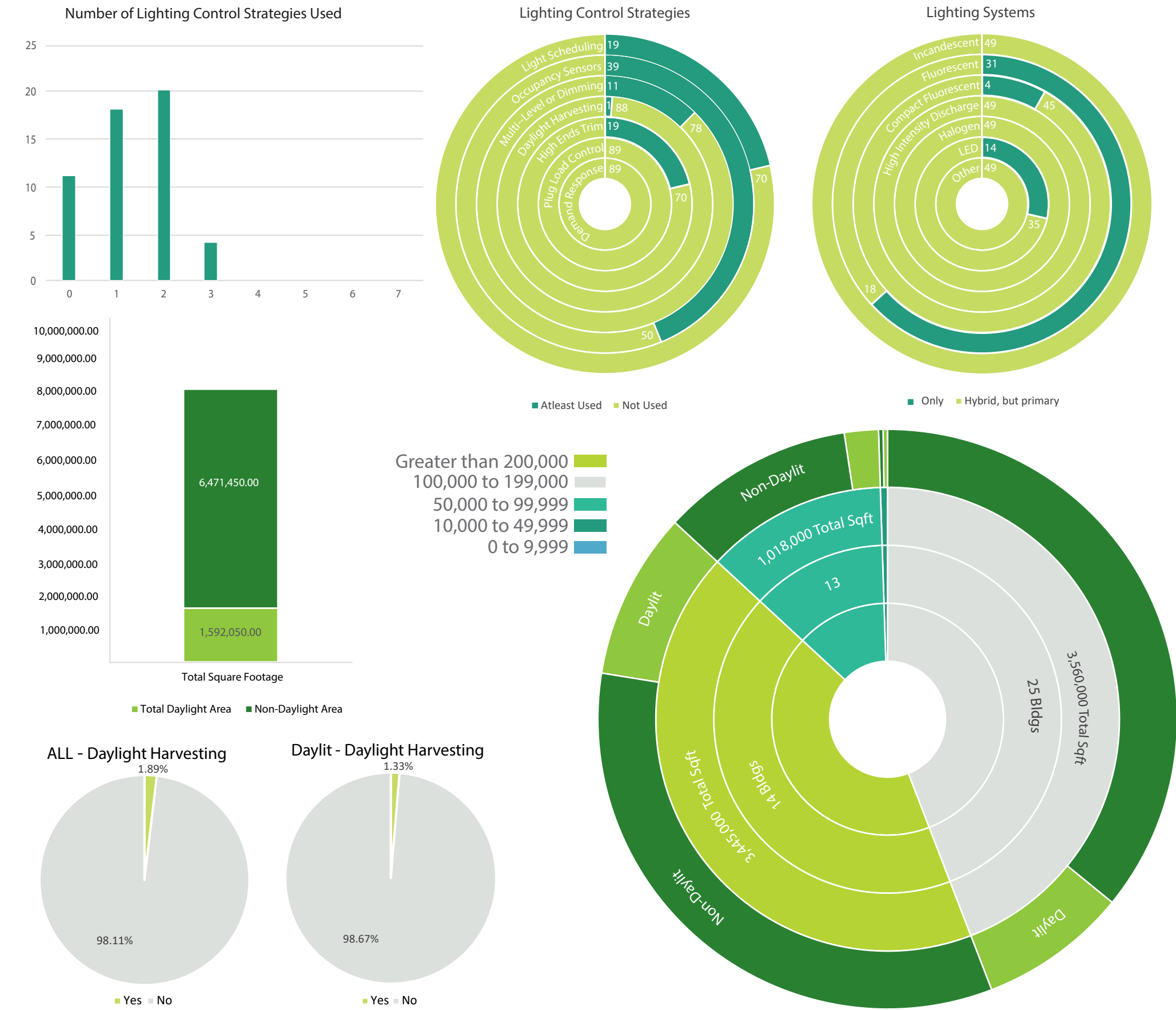
SAMPLE SIZE 53



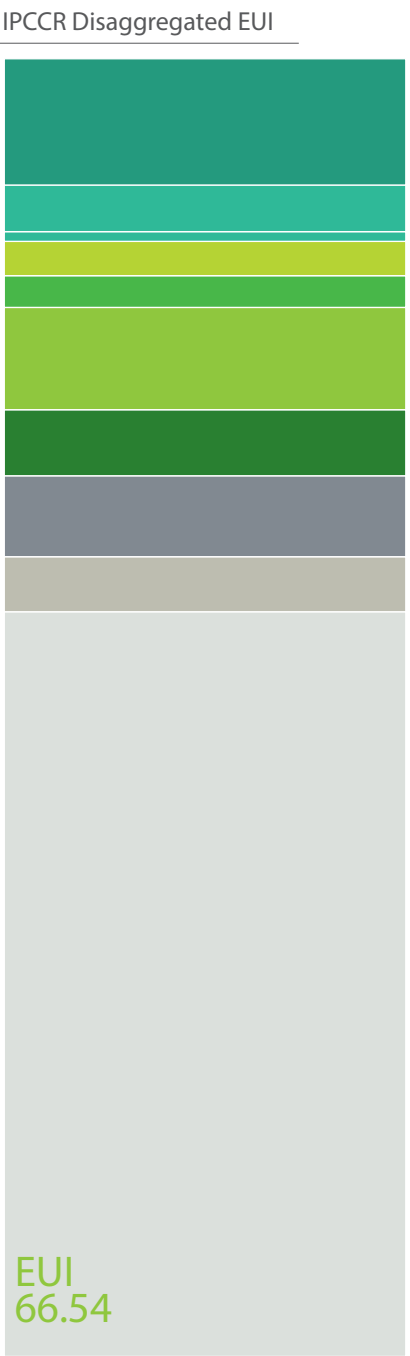
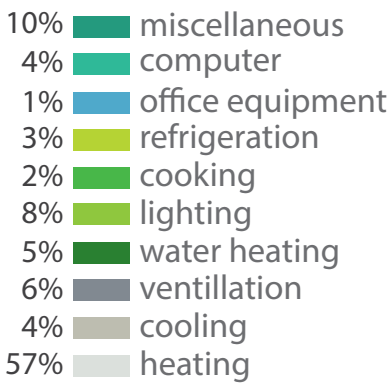
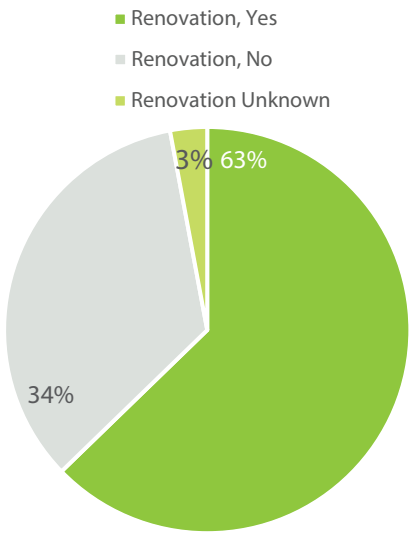
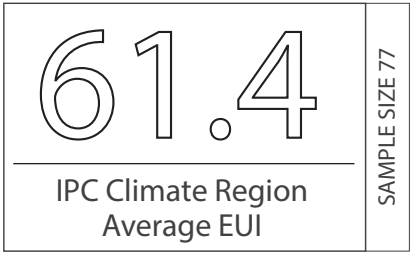
IPCCR EUI By Vintage / End Use



IPCCR Lighting



CBECS: ELEMENTARY



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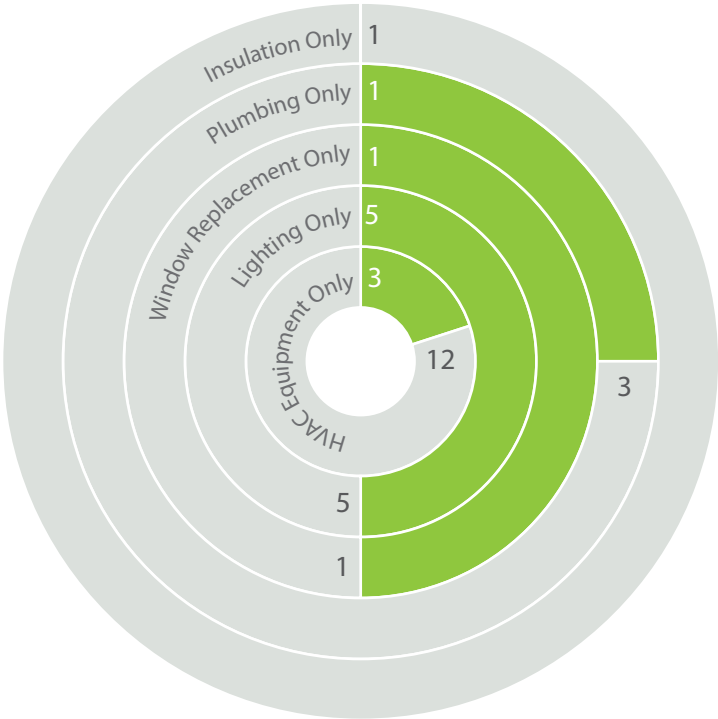
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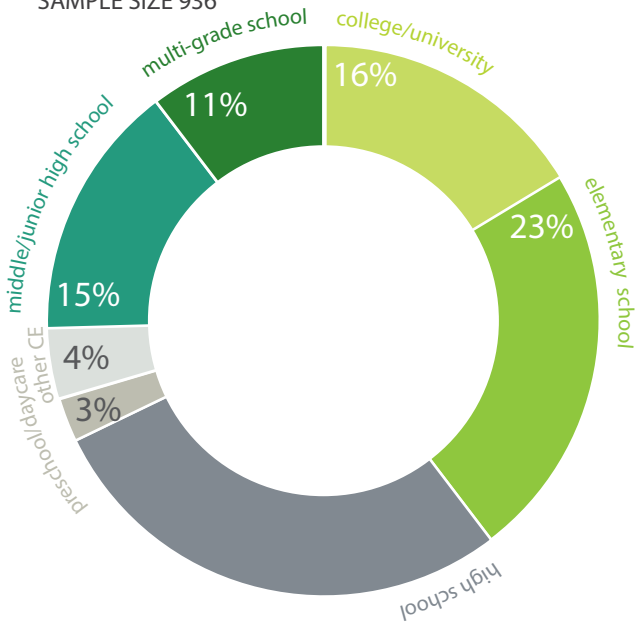
IPCCR % of Buildings with Renovations

SAMPLE SIZE 77



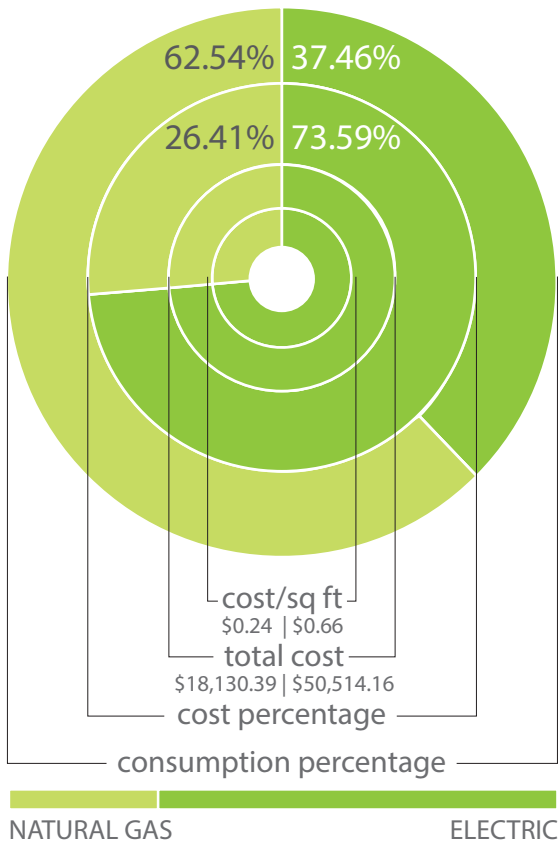
National Education Activity Breakdown

SAMPLE SIZE 936



IPCCR Utility Breakdown

SAMPLE SIZE 58



EUI 79.3

Payette Lakes Middle School

McCall, Idaho

Age 16

EUI 71.4

Perrine Elementry School

Twin Falls, Idaho

Age 28

EUI 70.1

Lincoln Elementary School

Twin Falls, Idaho

Age 74

EUI 68.9

Twin Falls High School

Twin Falls, Idaho

Age 57

EUI 60.6

Bickel Elementary School

Twin Falls, Idaho

Age 93

EUI 59.6

Portland State's Shattuck Hall

Portland, Oregon

EUI 59.5

Morning Side Elementary School

Twin Falls, Idaho

Age 53

EUI 48.8

Sawtooth Elementary School

Twin Falls, Idaho

Age 39

EUI 45.4

Cold Climate Housing Research Center

Fairbanks, Alaska

EUI 37.2

Oregon Trail Elementary School

Twin Falls, Idaho

Age 19

EUI 33.4

Evie Garrett Dennis Campus Phase One

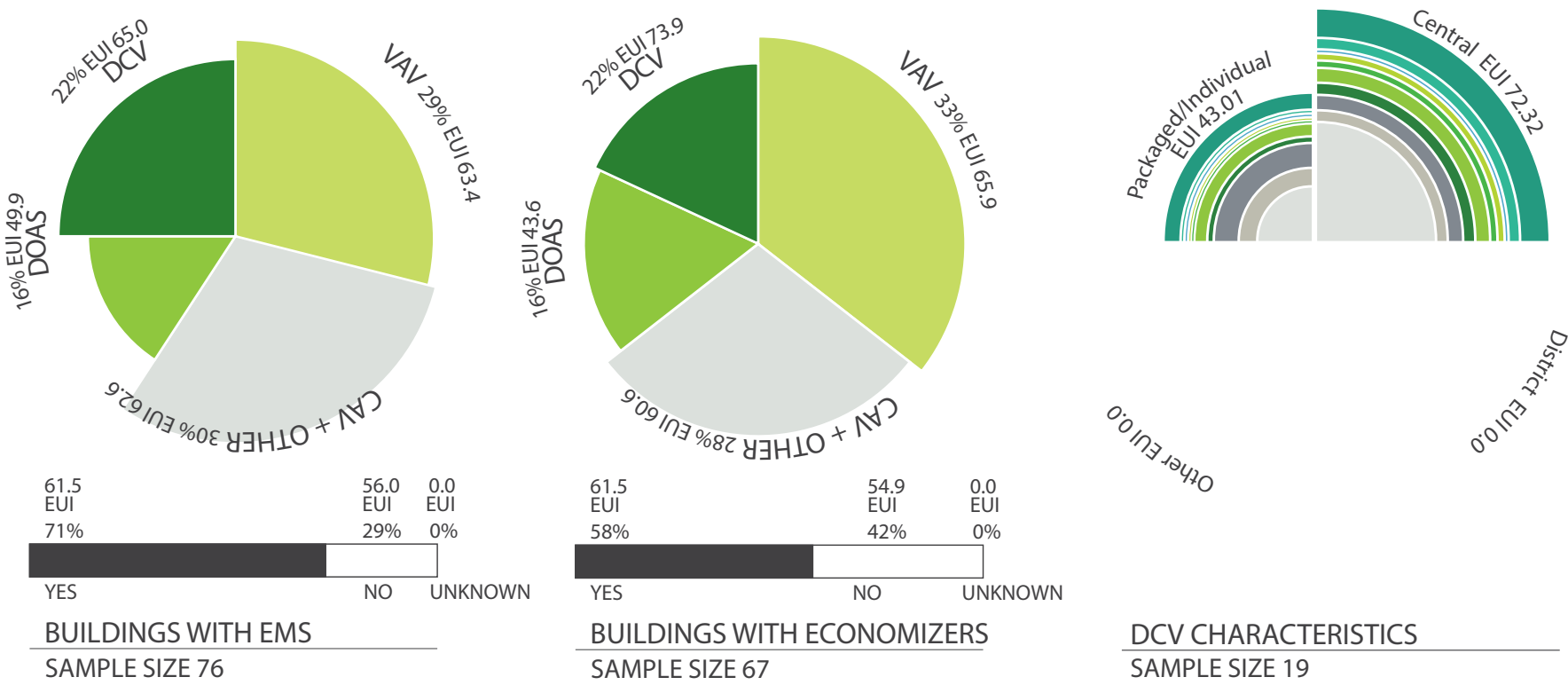
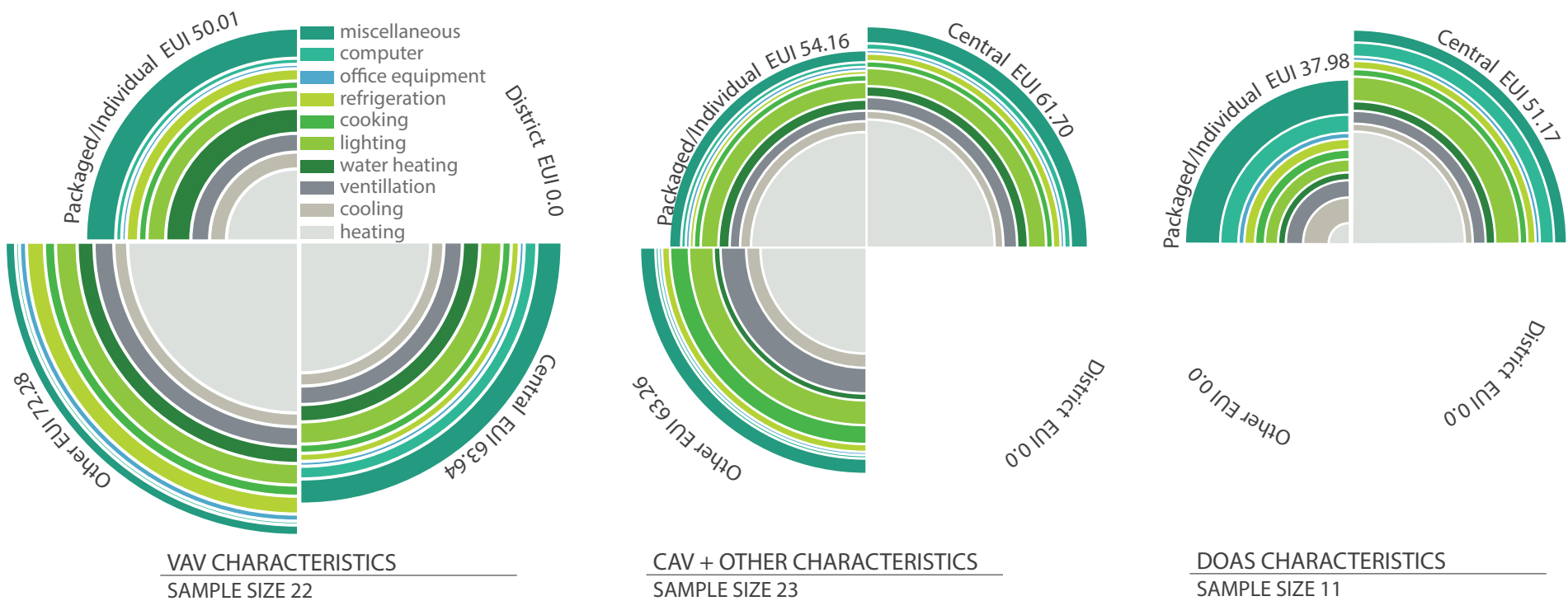
Green Valley Ranch, Denver

EUI 11.0

The Energy Lab at Hawaii Preparatory Academy

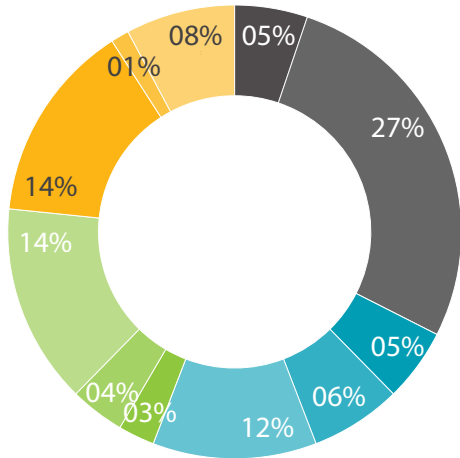
Kamuela, Hawaii

IPCCR EUI by HVAC Characteristics



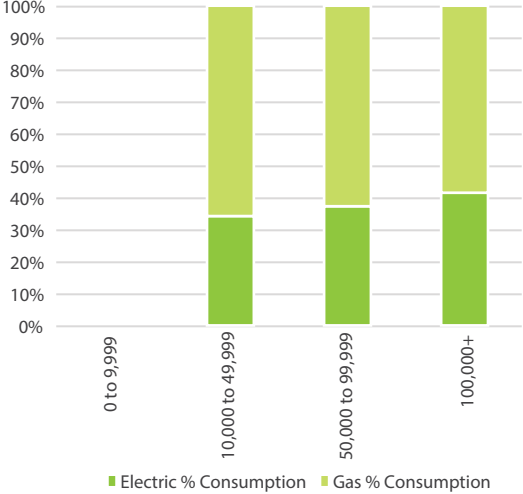
IPCCR EUI by Building Shape

SAMPLE SIZE 77



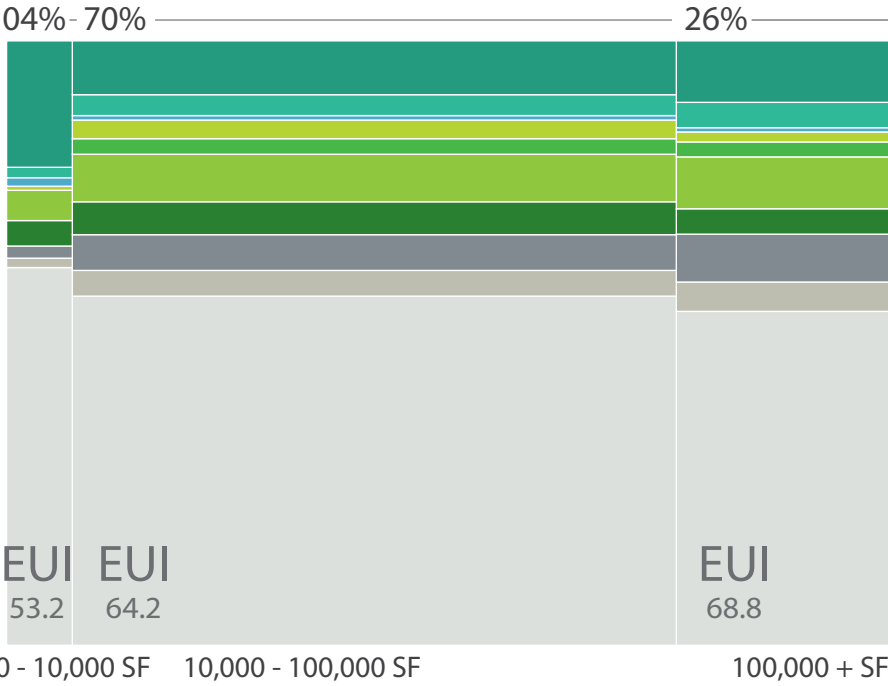
IPCCR Fuel Split by Building Size

SAMPLE SIZE 58



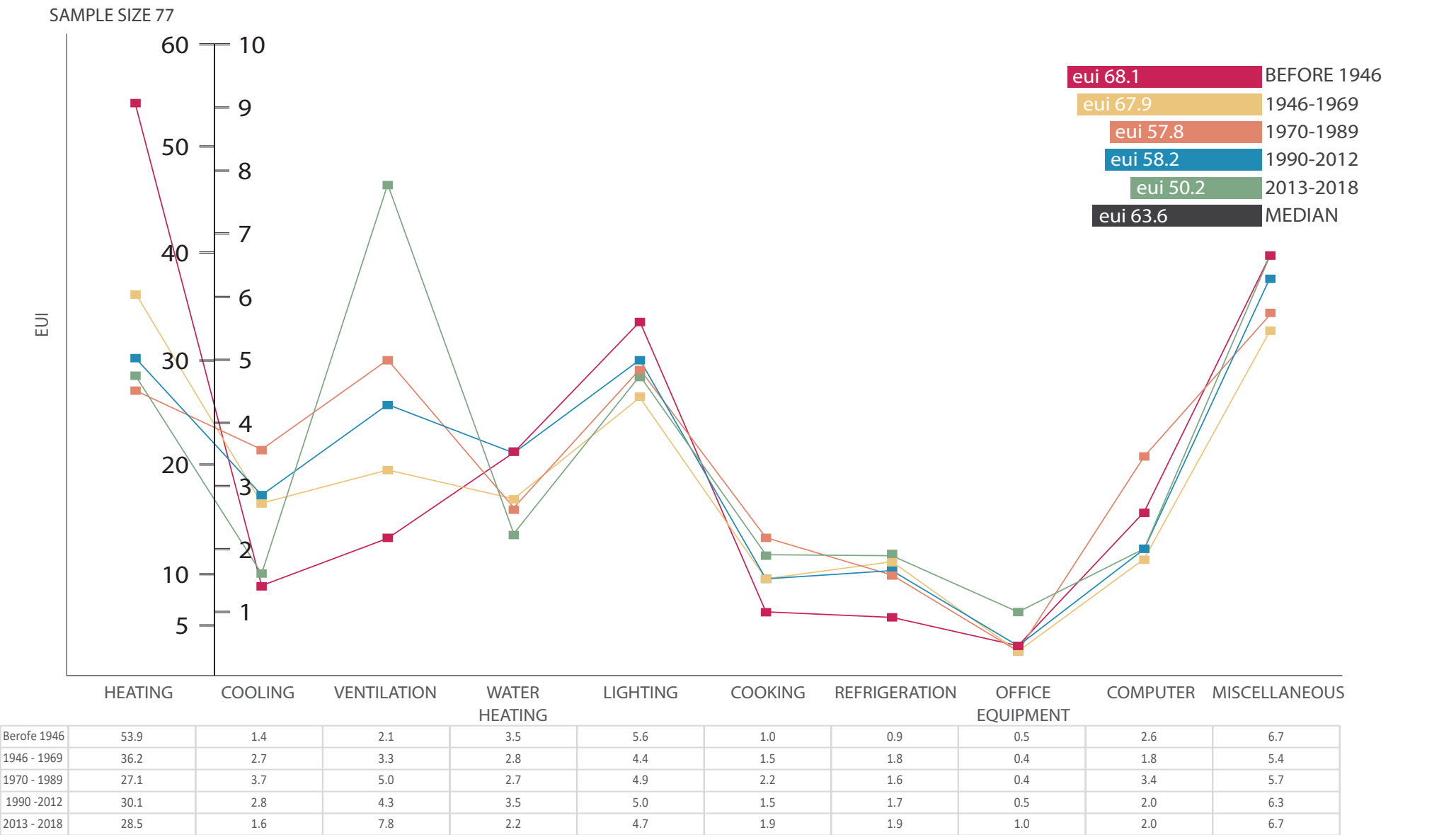
IPCCR EUI by Building Size

SAMPLE SIZE 77

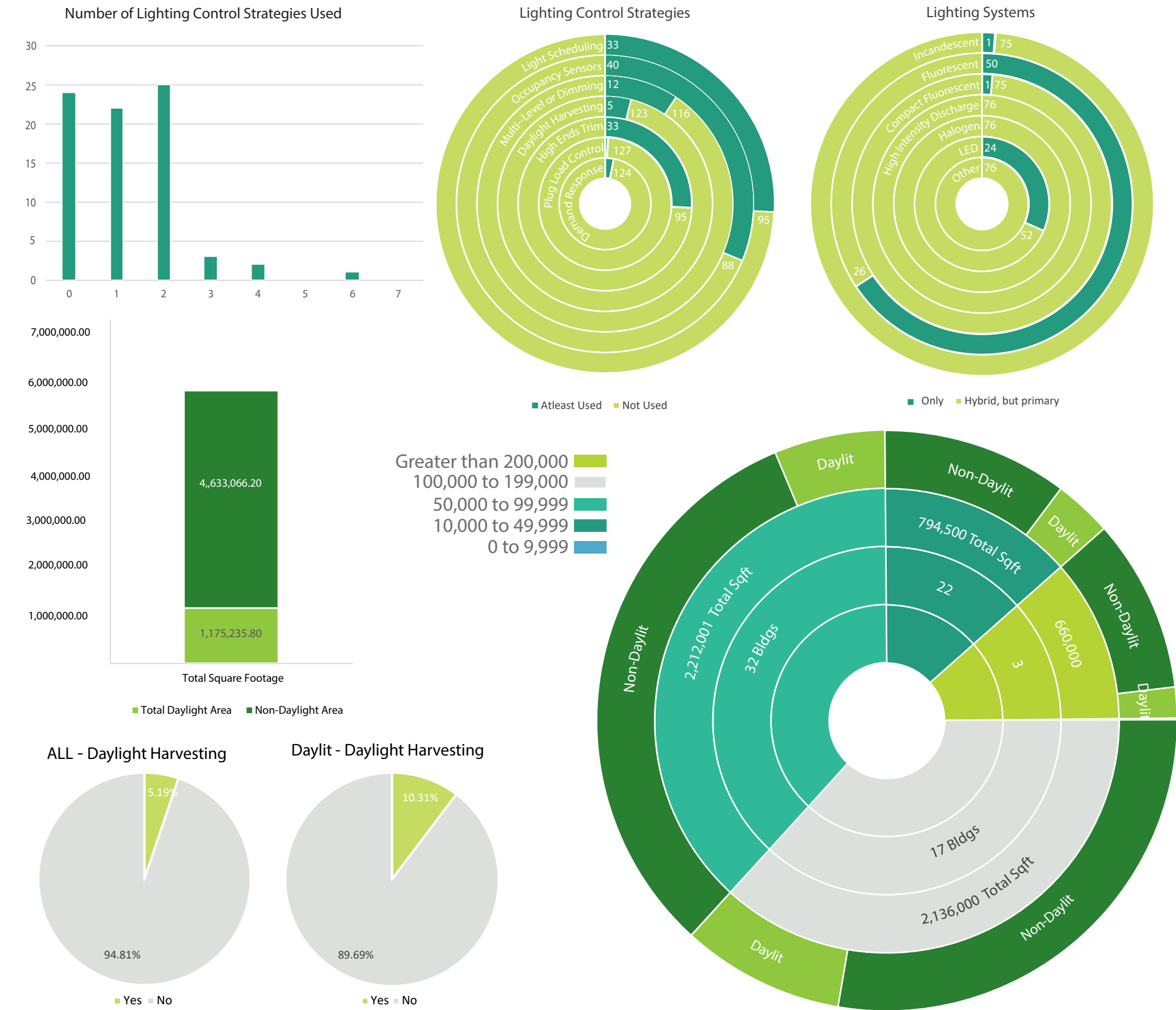


- miscellaneous
- computer
- office equipment
- refrigeration
- cooking
- lighting
- water heating
- ventillation
- cooling
- heating

IPCCR EUI By Vintage / End Use



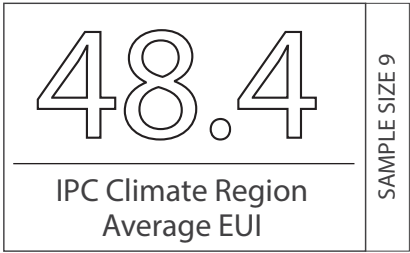
IPCCR Lighting



CBECS: PRESCHOOL

created by:
INTEGRATED **idl** DESIGN LAB

sponsored by:
IDAHO POWER
An IDACORP Company



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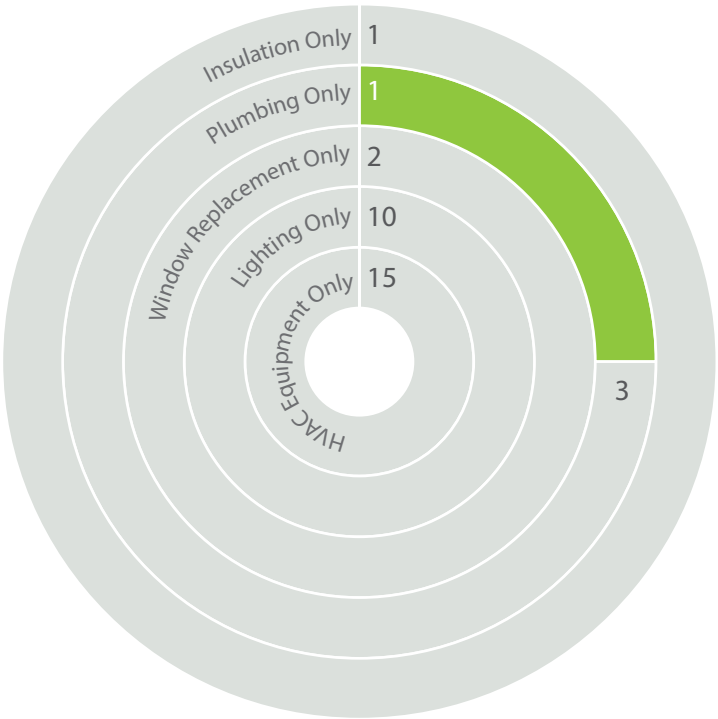
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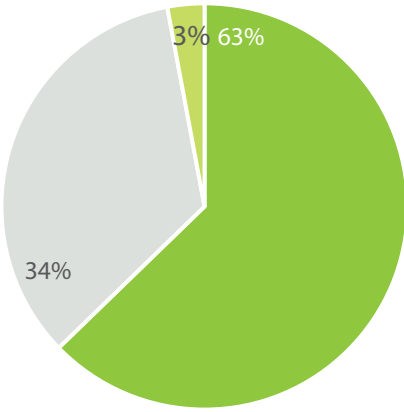
http://www.eia.gov/emeu/cbecs/building_types.html

IPCCR % of Buildings with Renovations

SAMPLE SIZE 9



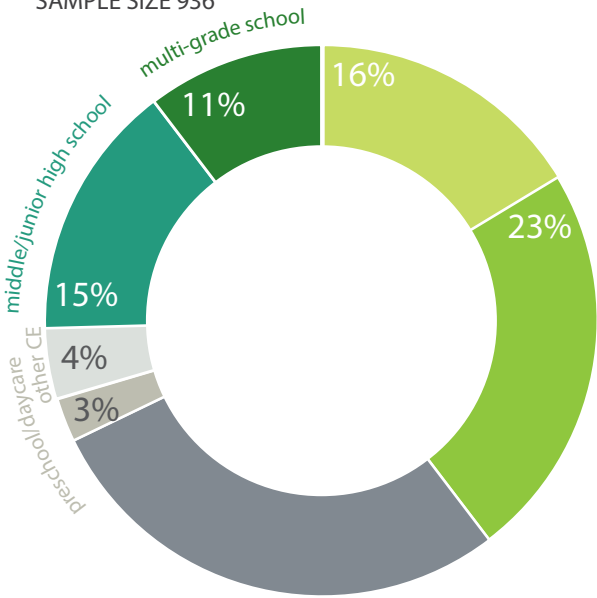
Renovation, Yes
Renovation, No
Renovation Unknown



22% miscellaneous
3% computer
1% office equipment
3% refrigeration
1% cooking
9% lighting
4% water heating
9% ventilation
8% cooling
40% heating

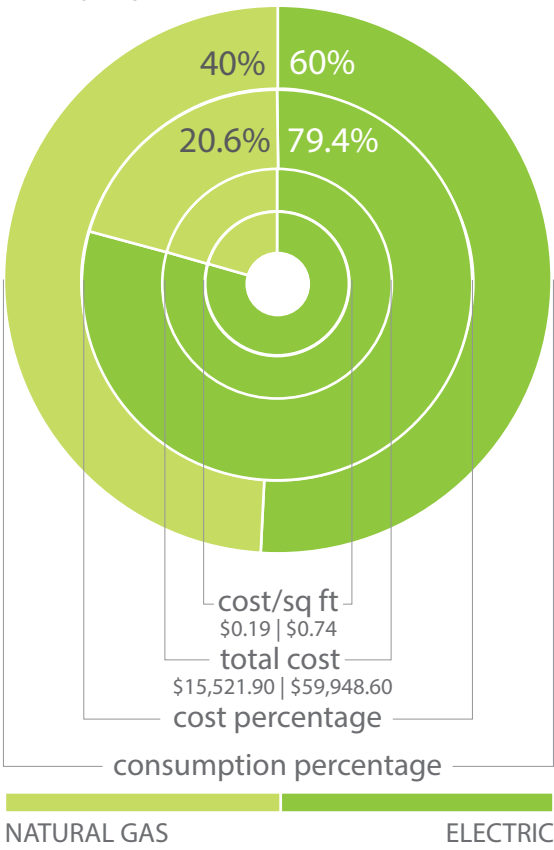
National Education Activity Breakdown

SAMPLE SIZE 936

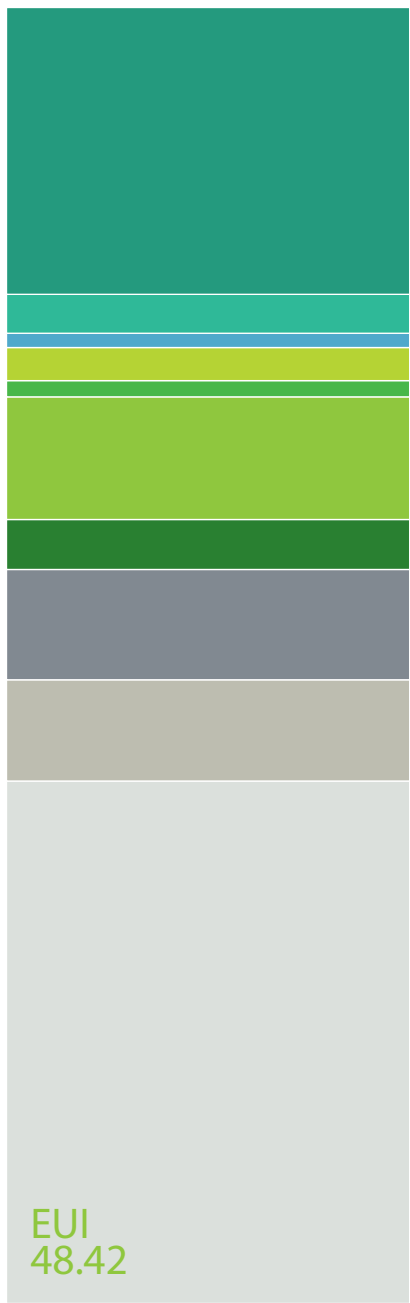


IPCCR Utility Breakdown

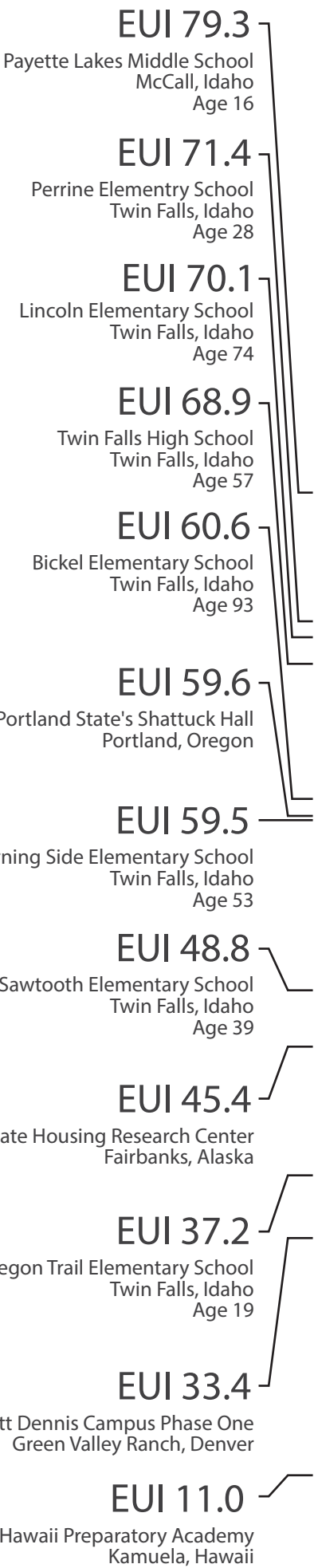
SAMPLE SIZE 6

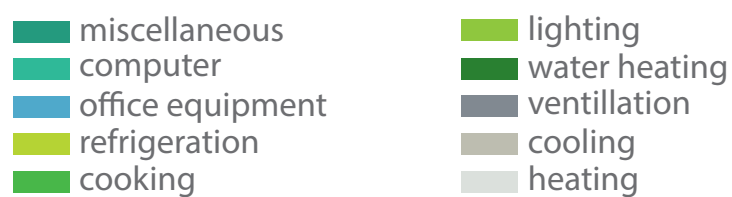
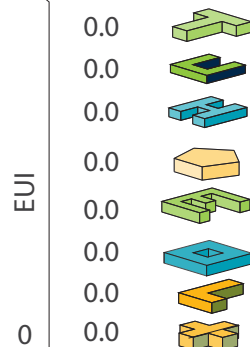
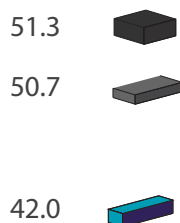


IPCCR Disaggregated EUI

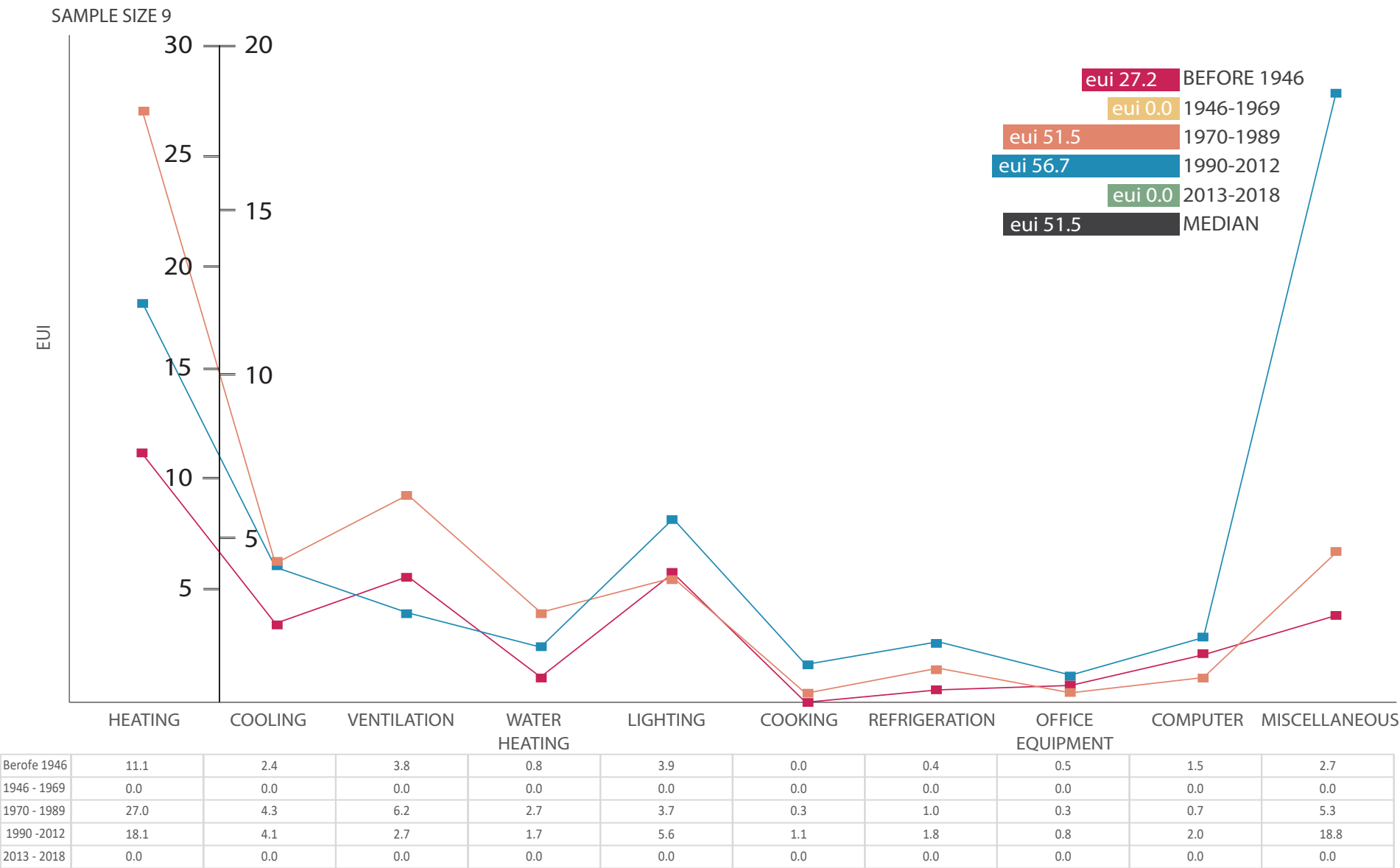


SAMPLE SIZE 9

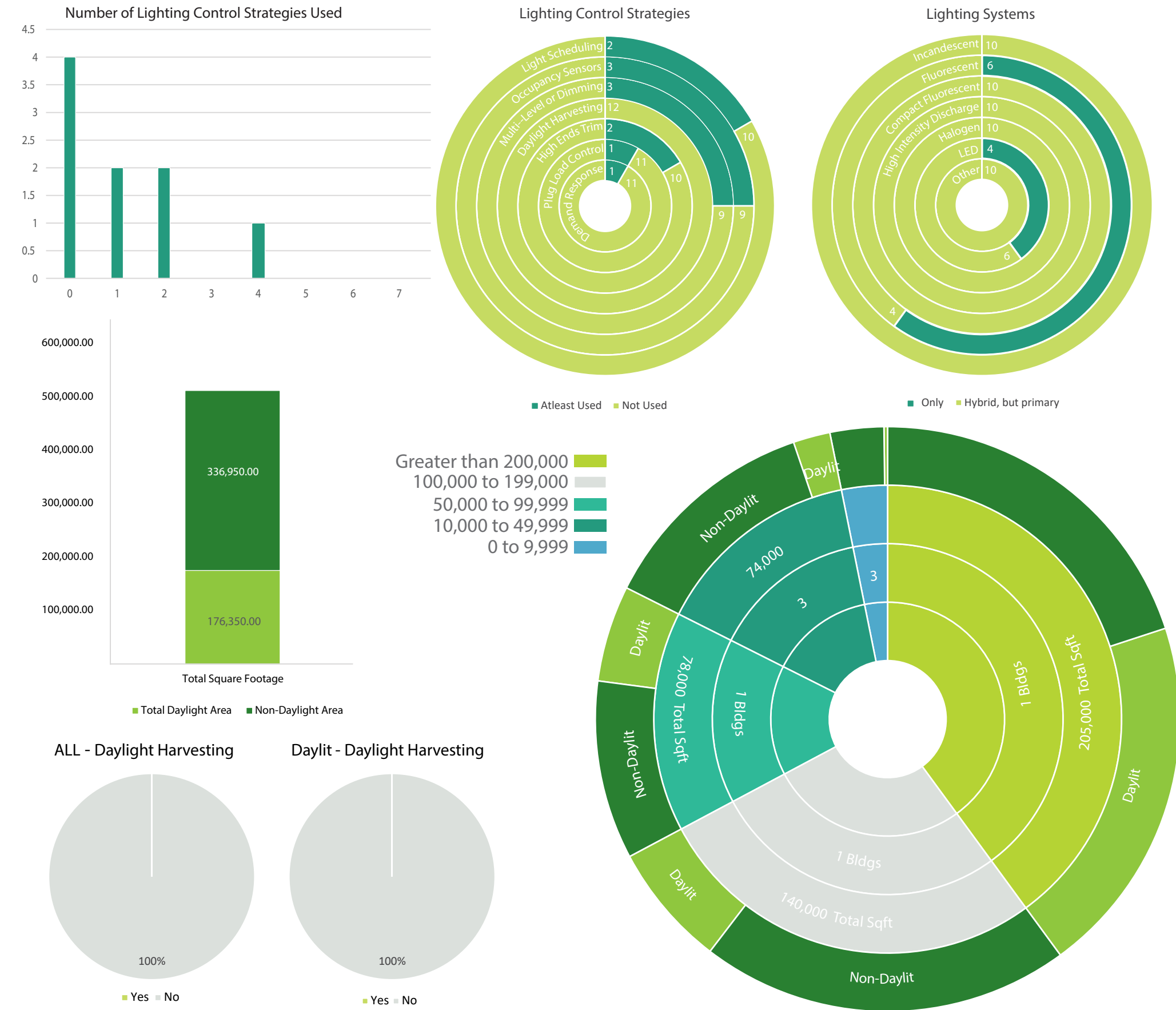




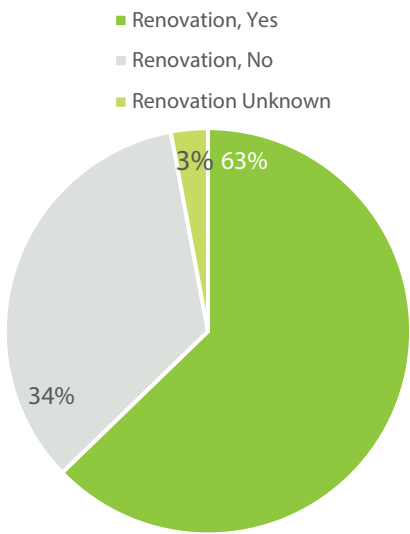
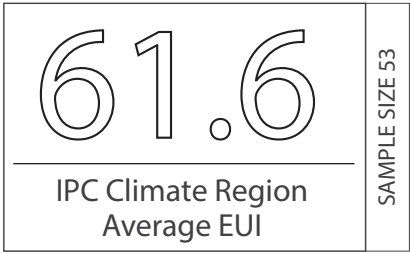
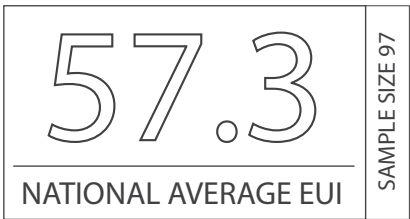
IPCCR EUI By Vintage / End Use



IPCCR Lighting



CBECS: MULTI-GRADE



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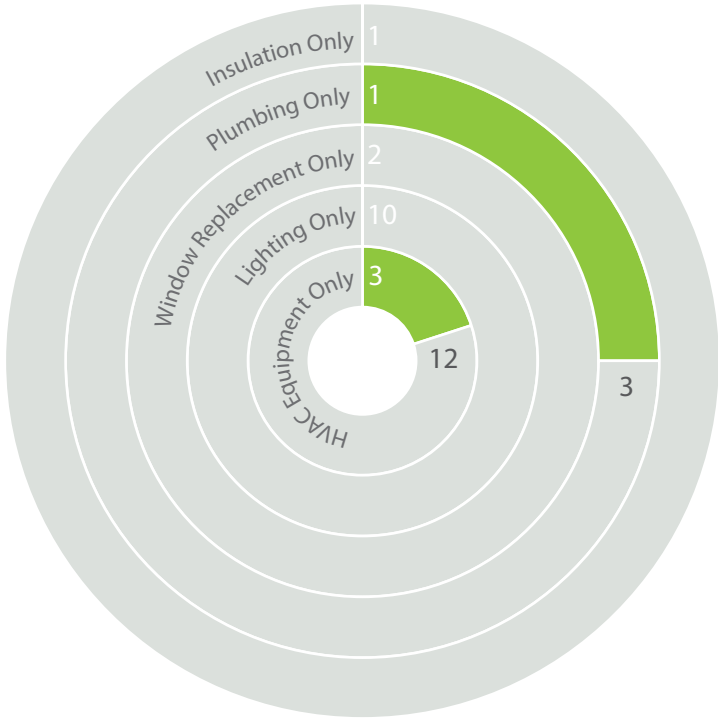
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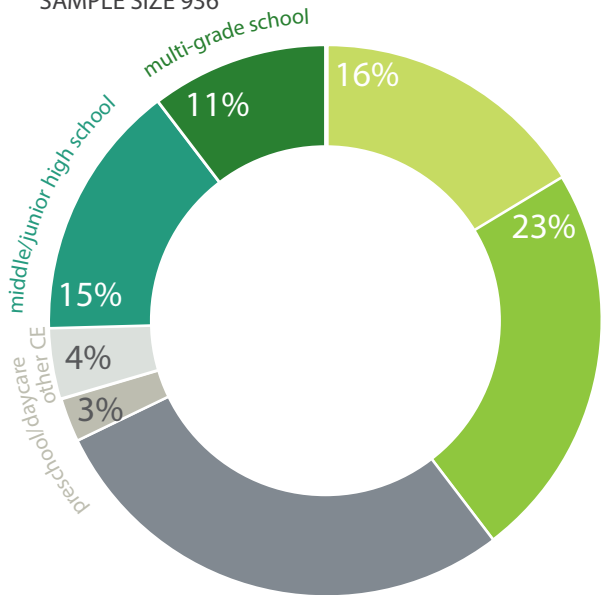
IPCCR % of Buildings with Renovations

SAMPLE SIZE 53



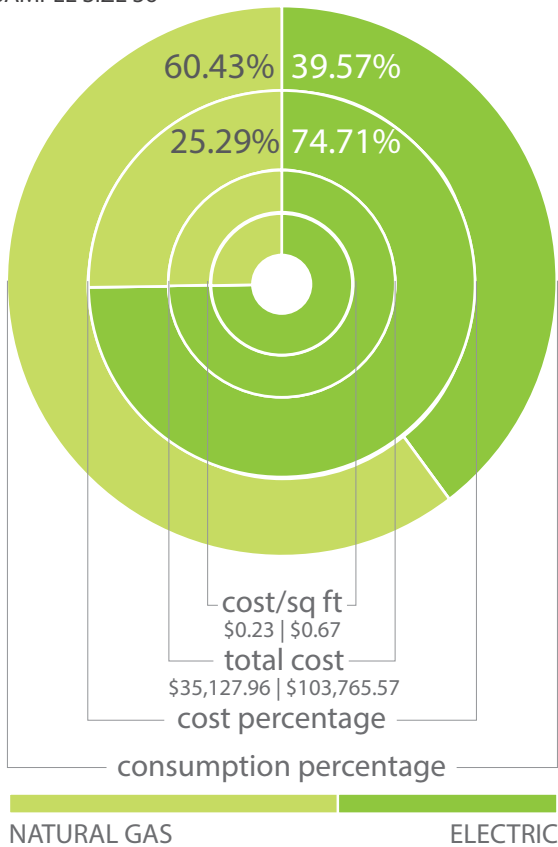
National Education Activity Breakdown

SAMPLE SIZE 936

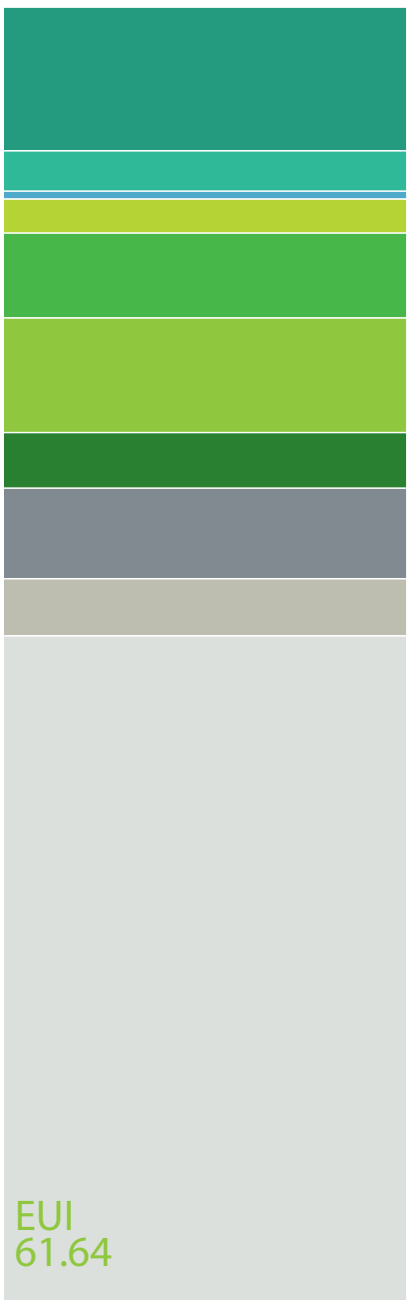


IPCCR Utility Breakdown

SAMPLE SIZE 36



IPCCR Disaggregated EUI



EUI 79.3

Payette Lakes Middle School

McCall, Idaho

Age 16

EUI 71.4

Perrine Elementry School

Twin Falls, Idaho

Age 28

EUI 70.1

Lincoln Elementary School

Twin Falls, Idaho

Age 74

EUI 68.9

Twin Falls High School

Twin Falls, Idaho

Age 57

EUI 60.6

Bickel Elementary School

Twin Falls, Idaho

Age 93

EUI 59.6

Portland State's Shattuck Hall

Portland, Oregon

EUI 59.5

Morning Side Elementary School

Twin Falls, Idaho

Age 53

EUI 48.8

Sawtooth Elementary School

Twin Falls, Idaho

Age 39

EUI 45.4

Cold Climate Housing Research Center

Fairbanks, Alaska

EUI 37.2

Oregon Trail Elementary School

Twin Falls, Idaho

Age 19

EUI 33.4

Evie Garrett Dennis Campus Phase One

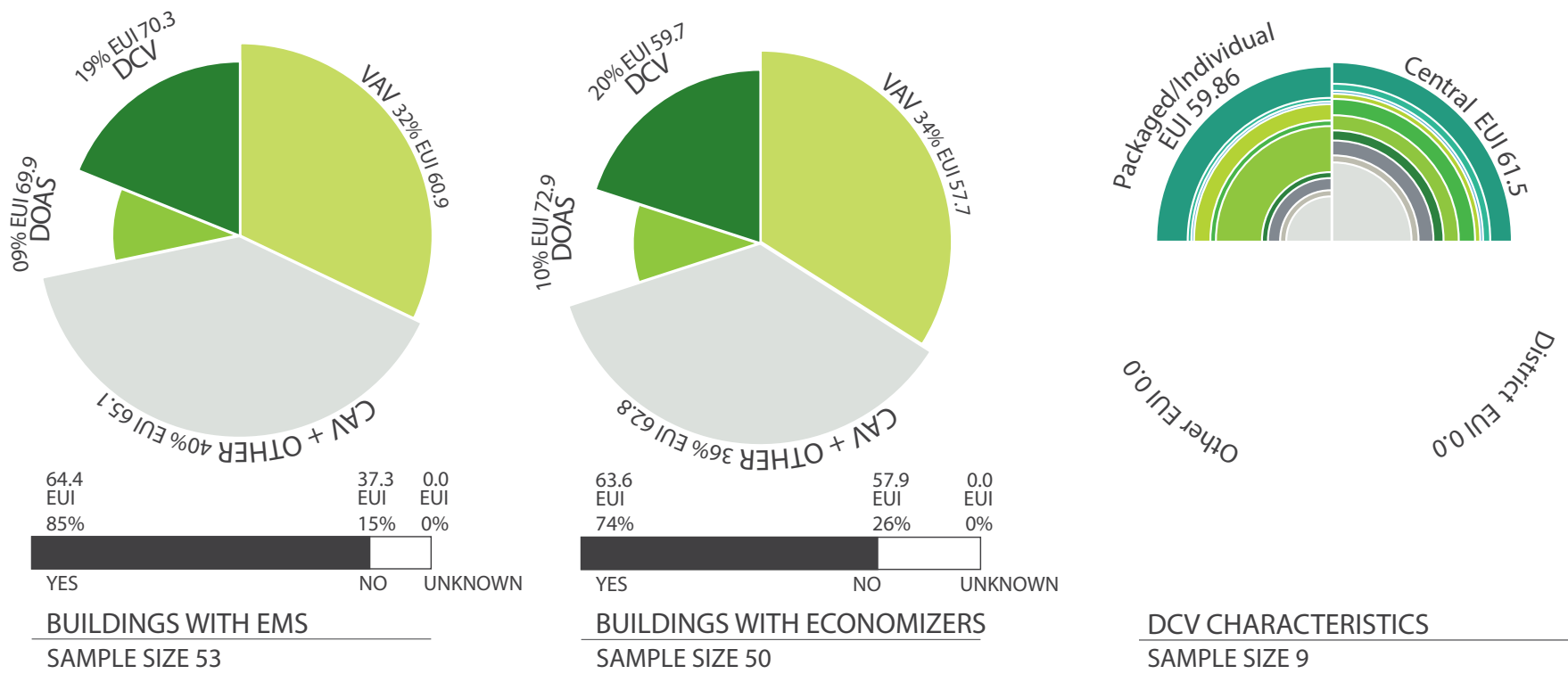
Green Valley Ranch, Denver

EUI 11.0

The Energy Lab at Hawaii Preparatory Academy

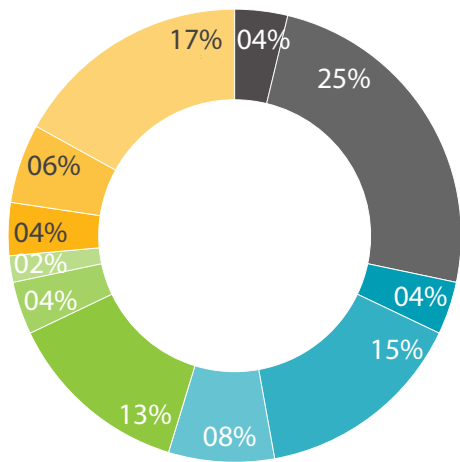
Kamuela, Hawaii

IPCCR EUI by HVAC Characteristics



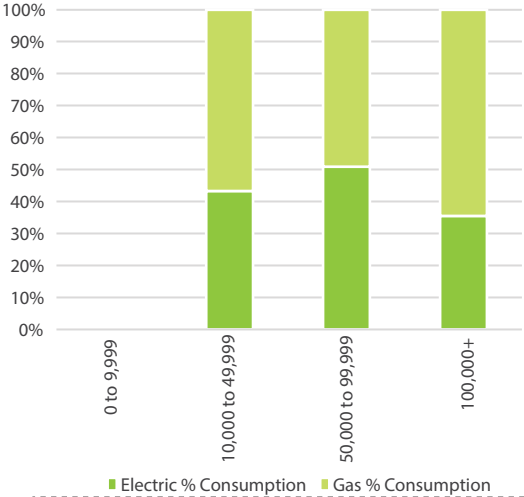
IPCCR EUI by Building Shape

SAMPLE SIZE 53



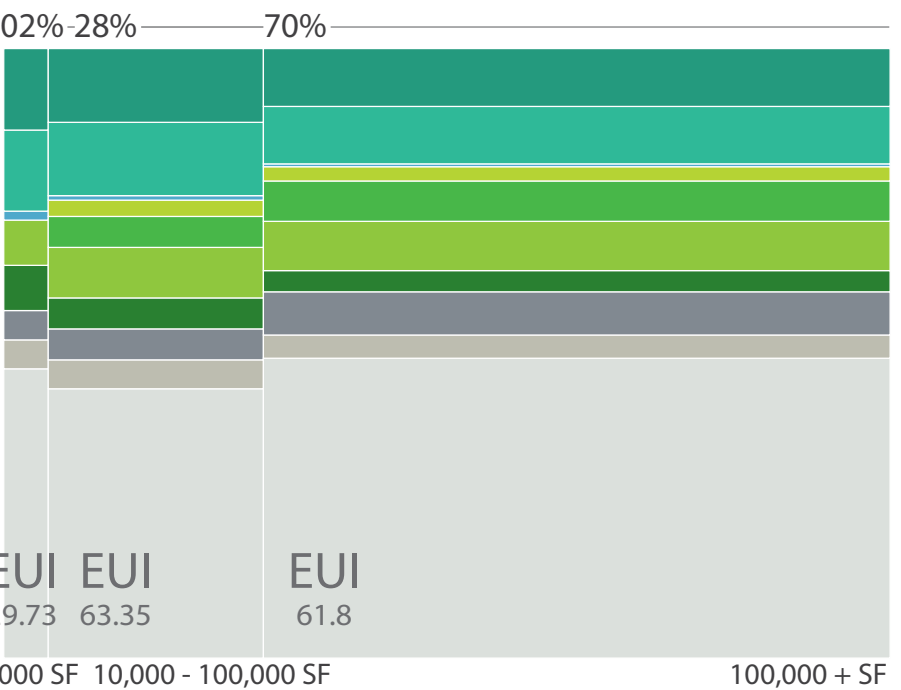
IPCCR Fuel Split by Building Size

SAMPLE SIZE 36



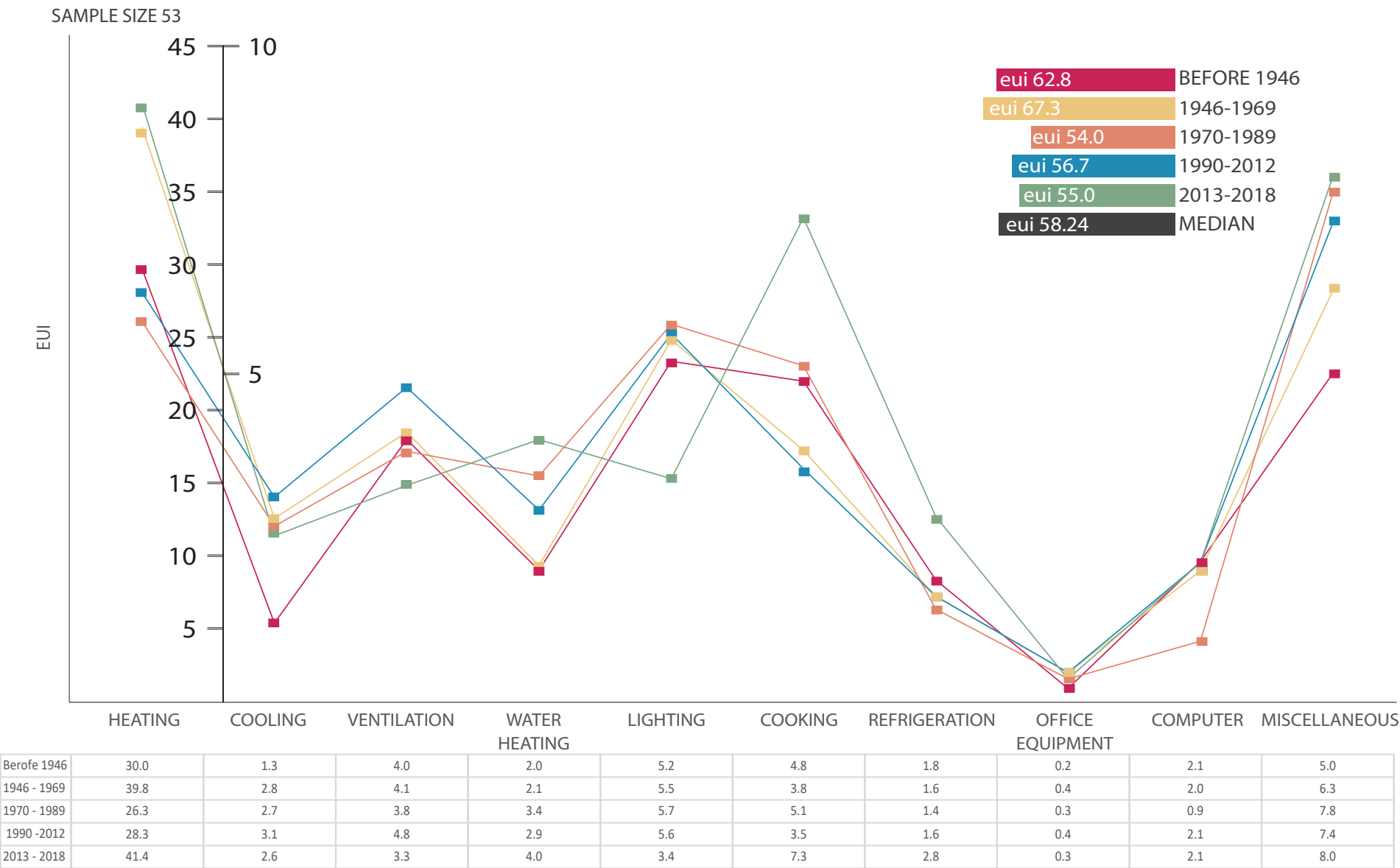
IPCCR EUI by Building Size

SAMPLE SIZE 53

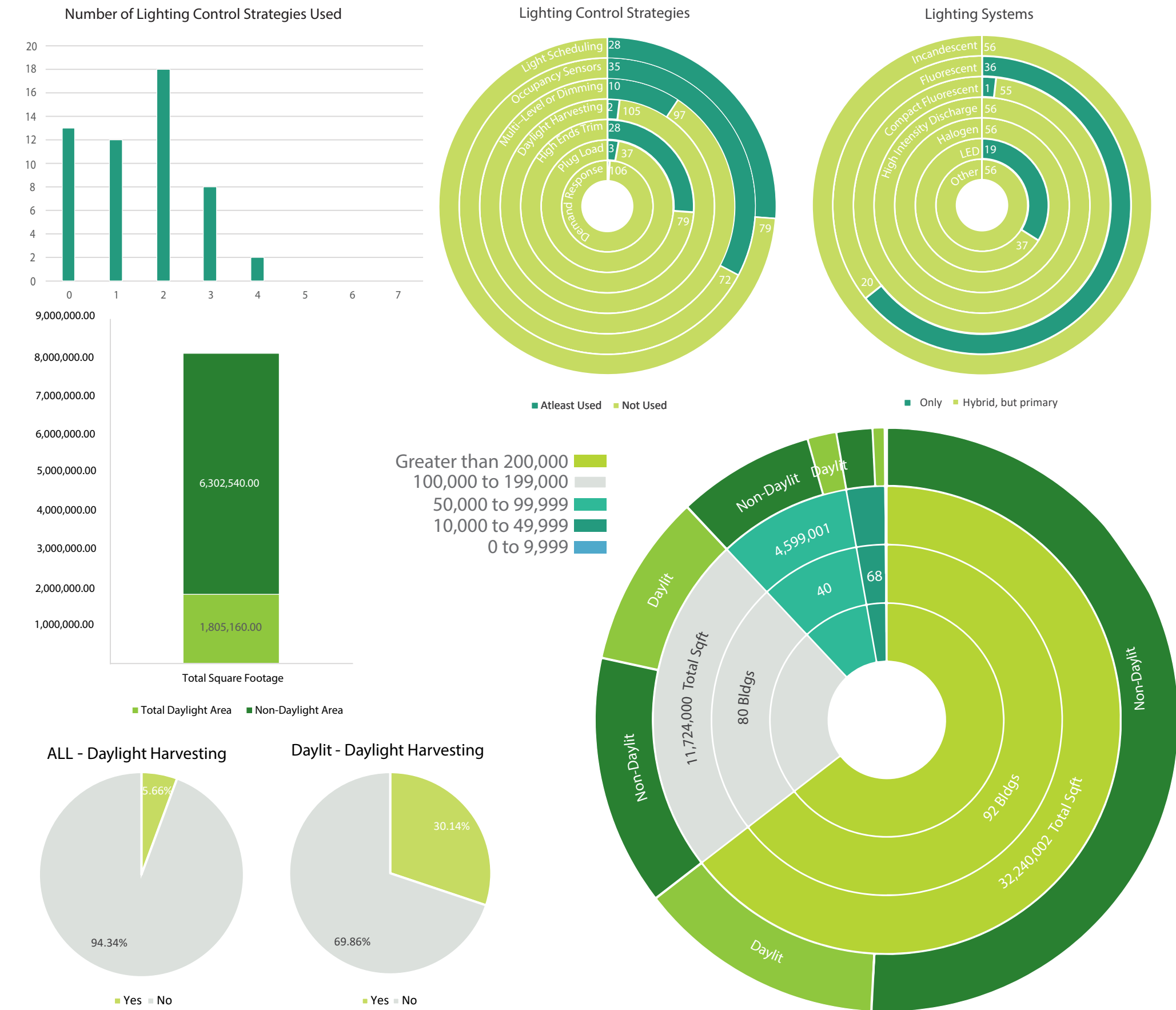


- miscellaneous
- computer
- office equipment
- refrigeration
- cooking
- lighting
- water heating
- ventillation
- cooling
- heating

IPCCR EUI By Vintage / End Use



IPCCR Lighting



CBECS: OTHER

60.6

NATIONAL AVERAGE EUI

SAMPLE SIZE 39

73.8

IPC Climate Region
Average EUI

SAMPLE SIZE 13

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.”

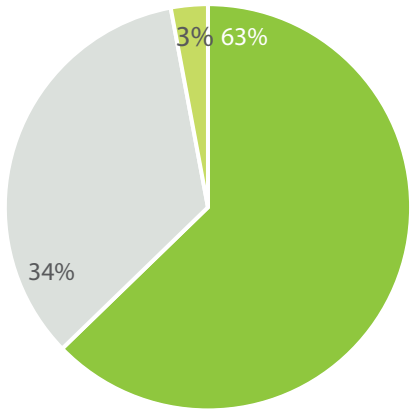
More information on building activity definitions can be found on the CBECS website located here:

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

IPCCR % of Buildings with Renovations

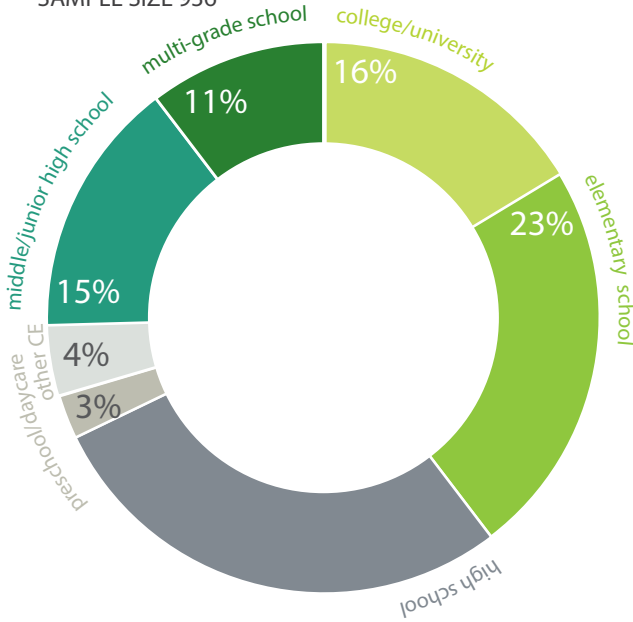
SAMPLE SIZE 13

Renovation, Yes
Renovation, No
Renovation Unknown



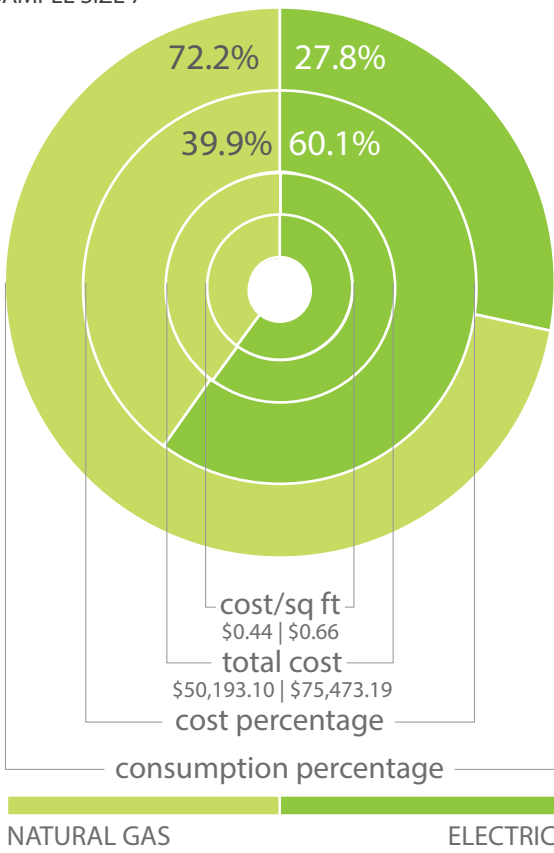
National Education Activity Breakdown

SAMPLE SIZE 936

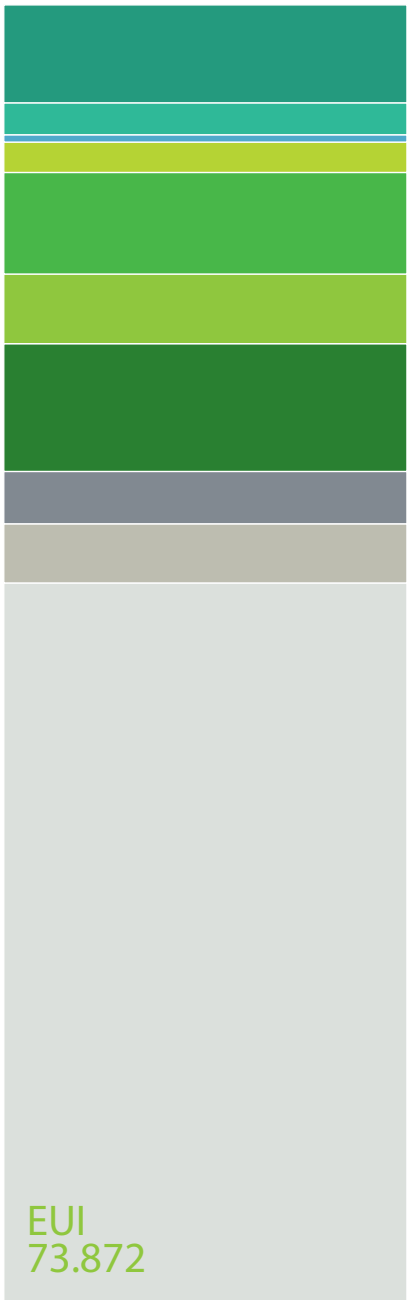


IPCCR Utility Breakdown

SAMPLE SIZE 7



IPCCR Disaggregated EUI



EUI
73.872

SAMPLE SIZE 13

EUI 79.3
Payette Lakes Middle School
McCall, Idaho
Age 16

EUI 71.4
Perrine Elementry School
Twin Falls, Idaho
Age 28

EUI 70.1
Lincoln Elementary School
Twin Falls, Idaho
Age 74

EUI 68.9
Twin Falls High School
Twin Falls, Idaho
Age 57

EUI 60.6
Bickel Elementary School
Twin Falls, Idaho
Age 93

EUI 59.6
Portland State's Shattuck Hall
Portland, Oregon

EUI 59.5
Morning Side Elementary School
Twin Falls, Idaho
Age 53

EUI 48.8
Sawtooth Elementary School
Twin Falls, Idaho
Age 39

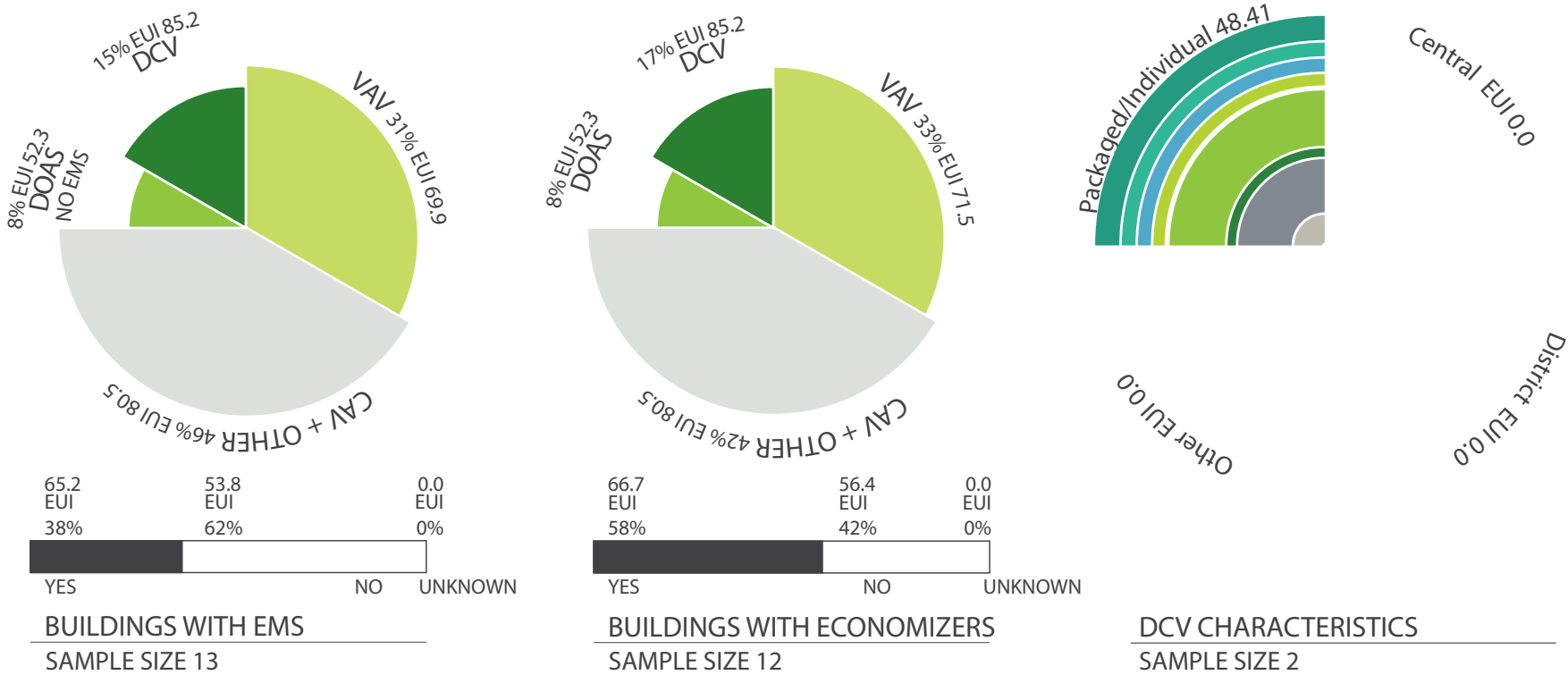
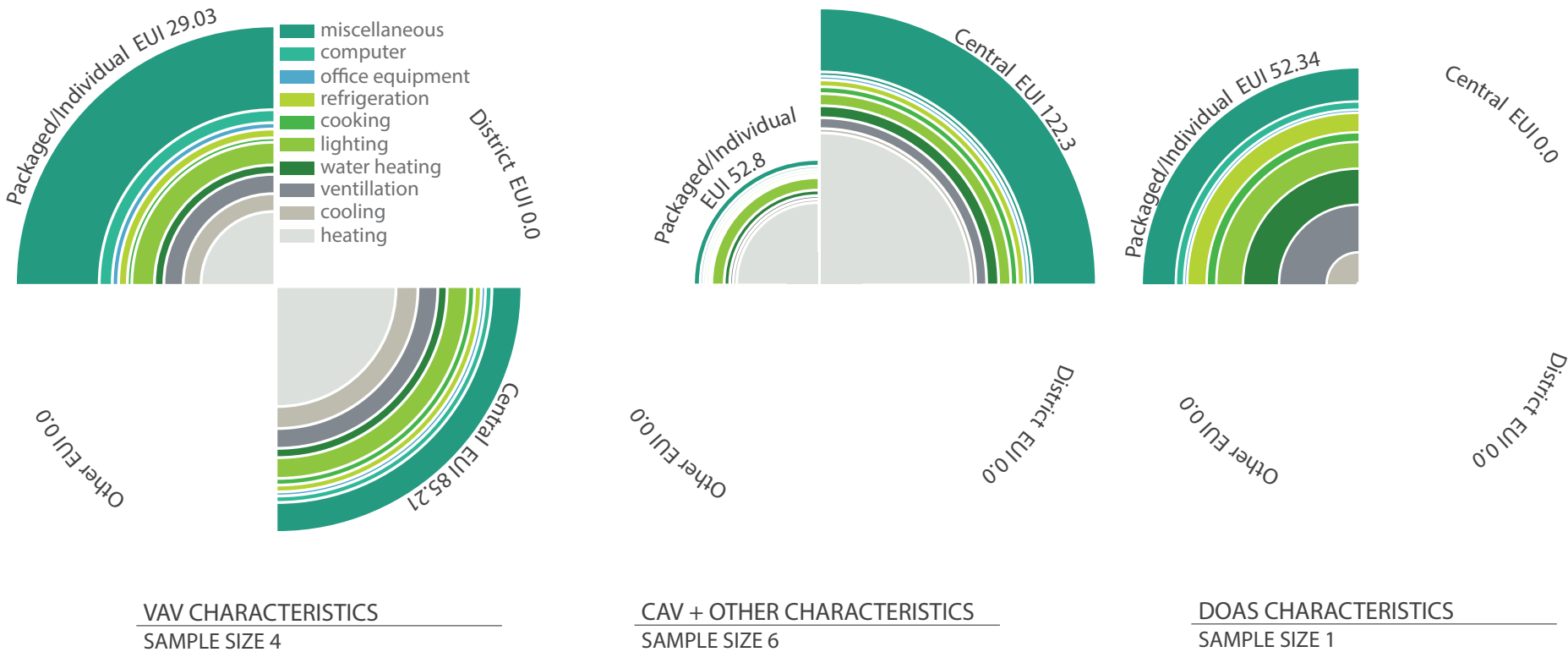
EUI 45.4
Cold Climate Housing Research Center
Fairbanks, Alaska

EUI 37.2
Oregon Trail Elementary School
Twin Falls, Idaho
Age 19

EUI 33.4
Evie Garrett Dennis Campus Phase One
Green Valley Ranch, Denver

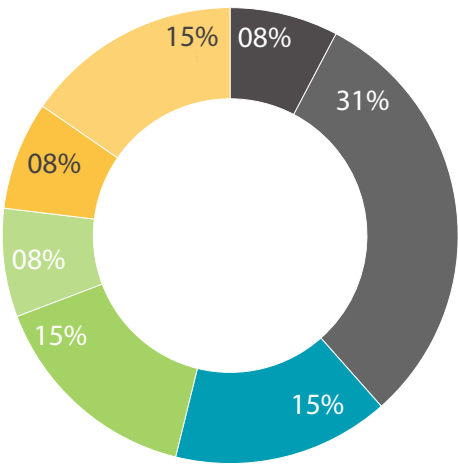
EUI 11.0
The Energy Lab at Hawaii Preparatory Academy
Kamuela, Hawaii

IPCCR EUI by HVAC Characteristics



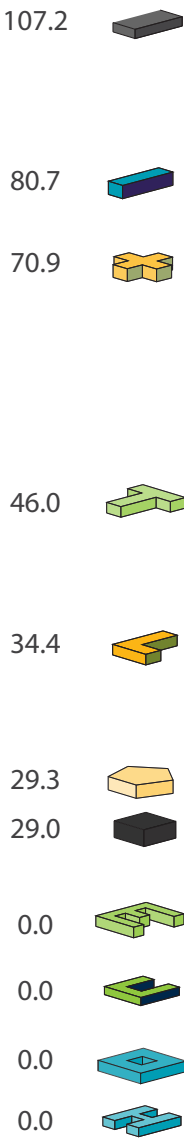
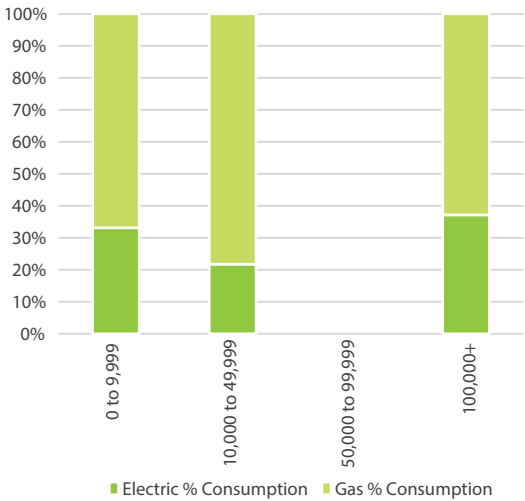
IPCCR EUI by Building Shape

SAMPLE SIZE 13



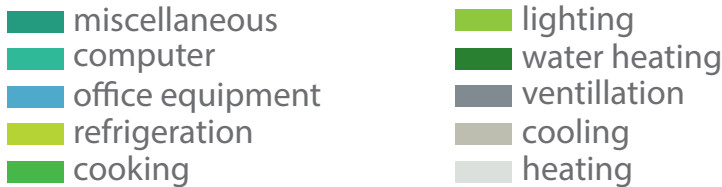
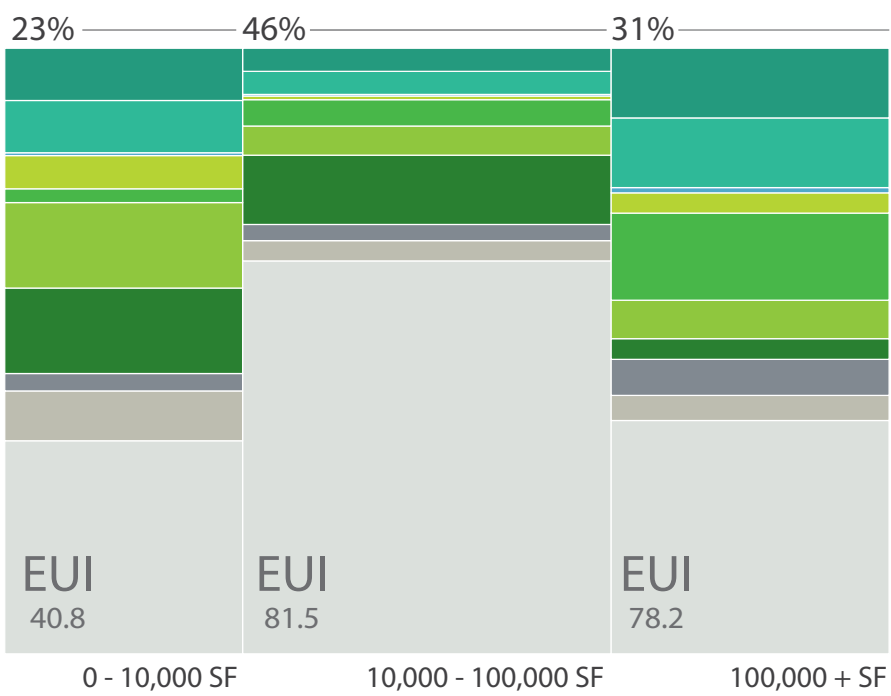
IPCCR Fuel Split by Building Size

SAMPLE SIZE 7

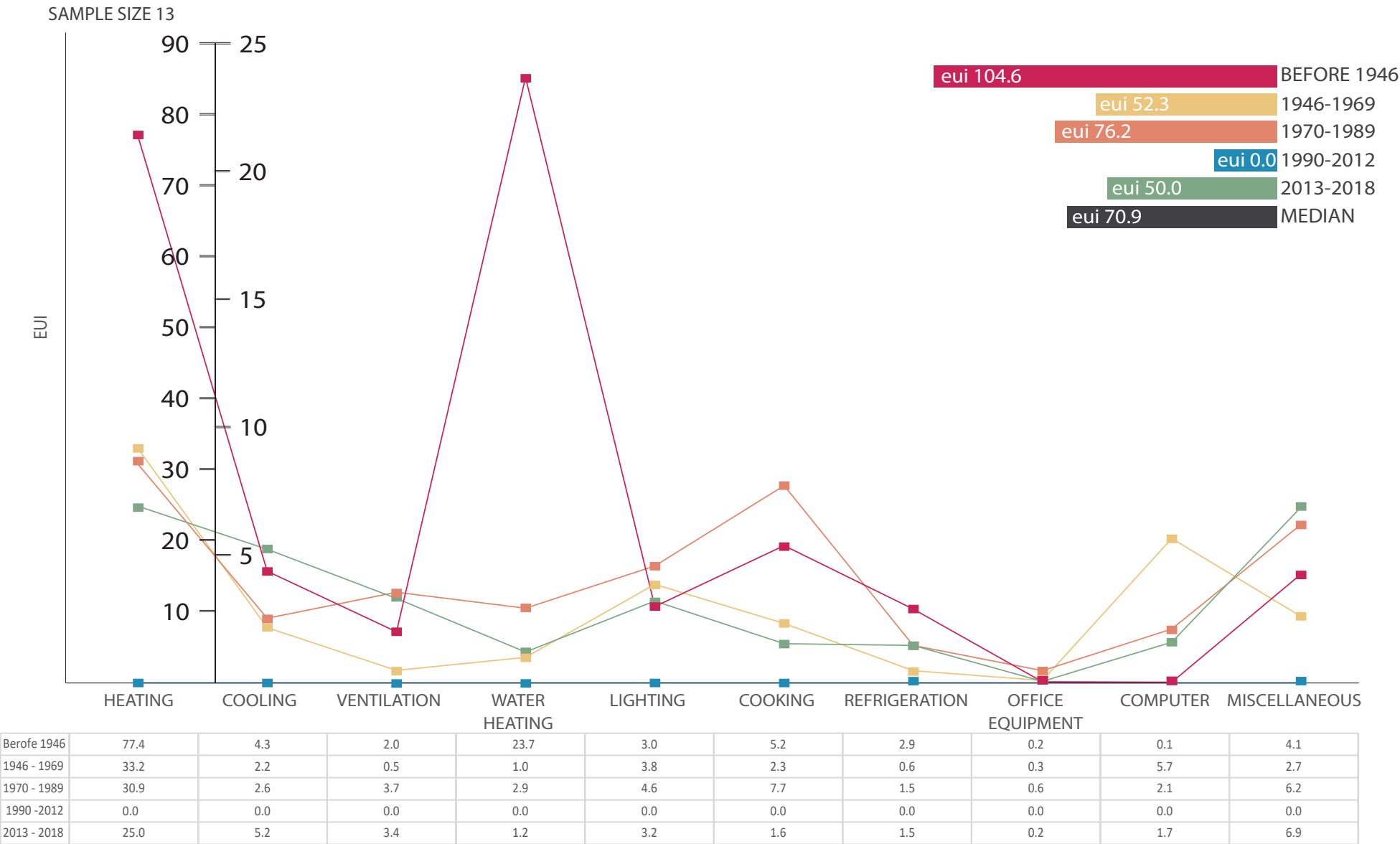


IPCCR EUI by Building Size

SAMPLE SIZE 13



IPCCR EUI By Vintage / End Use



IPCCR Lighting

