



COOK COUNTY ENERGY AND WATER BENCHMARKING REPORT 2018



Based on 2017 Calendar Year Data for County-Owned Facilities

ACKNOWLEDGEMENTS

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Dear Cook County Resident,

Under the leadership of Cook County Board President Toni Preckwinkle, Cook County strives to improve the environment and lower greenhouse gas emissions. We are doing that by actively working to reduce our energy and water usage and track this reduction through the benchmarking of our County Facilities. We are reporting on our efforts in the annual Benchmarking report.

Cook County uses the Department of Energy's Energy Star program to benchmark its facilities. Benchmarking can lead to an average energy use reduction of 2.4 percent, which is the equivalent of removing 1,246 cars from the road for one year¹. The County reduced energy usage by 4 percent from 2016 to 2017. This directly translates into reduced operating costs to more efficiently deliver the services you expect of your County government.

The following are highlights of the report.

- 52 percent of benchmarked facilities improved their Energy Star score
- 82 percent of benchmarked facilities lowered their energy use intensity (EUI)
- The County realized a 6 percent reduction in water usage

Benchmarking is key to the success of Cook County's Green Buildings Program, which aims to reduce the environmental impact of our County Buildings, incorporate smart building technology, and has a positive impact on communities throughout the County. The Green Buildings Program is composed of five pillars; Energy, Water, Waste, Technology and Community. These pillars act as a guideline for building, operating, and maintaining our County facilities.

Although we successfully reduced our energy and water usage from 2016 to 2017, there is continued room for improvement. In the coming year, the following projects are scheduled.

- Conducting an assessment to find water conservation measures at the Department of Corrections Campus;
- Procuring 20 percent of the County's electricity footprint from renewable sources;
- Launching more than 20 energy efficiency projects across the entire portfolio that will bring an estimated 5% percent reduction to the County's energy footprint.

Through our benchmarking efforts, we will continue to be good stewards of Cook County resources and the environment. These efforts can lead to healthier communities across Cook County.

Sincerely,

Jamie J. Meyers

Cook County Energy Manager

Ann P. Kalayil

Bureau Chief

Bureau of Asset Management



"We have reduced energy usage by 14 percent in Cook County-owned facilities since we began reporting and tracking our energy data in 2013. Reducing our reliance on energy – and reducing our consumption of water – saves natural resources, reduces emissions and lowers utility expenses. Local action is key to protecting our planet and Cook County is committed to being a good steward of the environment."

—Cook County Board President Toni Preckwinkle

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Bureau of Asset Management's Green Buildings Program

The Green Buildings Program (GBP) looks holistically at the design, space utilization, operations and life cycle impact of County owned properties to become a model for sustainable asset management that minimizes environmental impacts, improves the health and wellness of communities, and increases the value of County assets to optimize taxpayer dollars.






The 5 Pillars of the Green Buildings Program

Every change made to County properties should use these pillars and goals as part of the decision making process.

Energy	Water	Waste	Technology	Community
				
Goal	Goal	Goal	Goal	Goal
80% emissions reduction by 2050	30% water usage reduction by 2025	80% diversion rate by 2050	80% of buildings to incorporate smart building technology by 2025	Create a positive impact on County residents

Using a point based system that evaluates each capital project on its adherence to the pillars and associated goals, a Facility Sustainability Condition Index score, from 0 (worst) to 100 (best), will be generated for each project. Year-over-year improvement of the average score will be a **Key Performance Indicator** for evaluating program success. 2018 will be the baseline year.

2018 Green Buildings Program Initiatives

Pilot energy savings through behavior change	Create a list of water conservation measures for the Department of Corrections Campus	Establish a baseline diversion rate for waste	Develop standards and roadmap for smart building development	Conduct Green Building Assessment on all major properties and campuses
				

COOK COUNTY BENCHMARKING AT A GLANCE



Energy
Star
Score

Improved from 2016

52
%

Source EUI 2016-2017

Energy

82% of Sites
Improved

171
County-
Owned
Facilities
Benchmarked

6 LEED
Buildings

GHG
Emissions

From 2016-2017

91% of
Sites
Improved

Water

6
%

Total Water
Reduction from
2016-2017

BUILDING PORTFOLIO OVERVIEW FOR COOK COUNTY (CC)-OWNED FACILITIES

Portfolio Reductions from 2016-2017

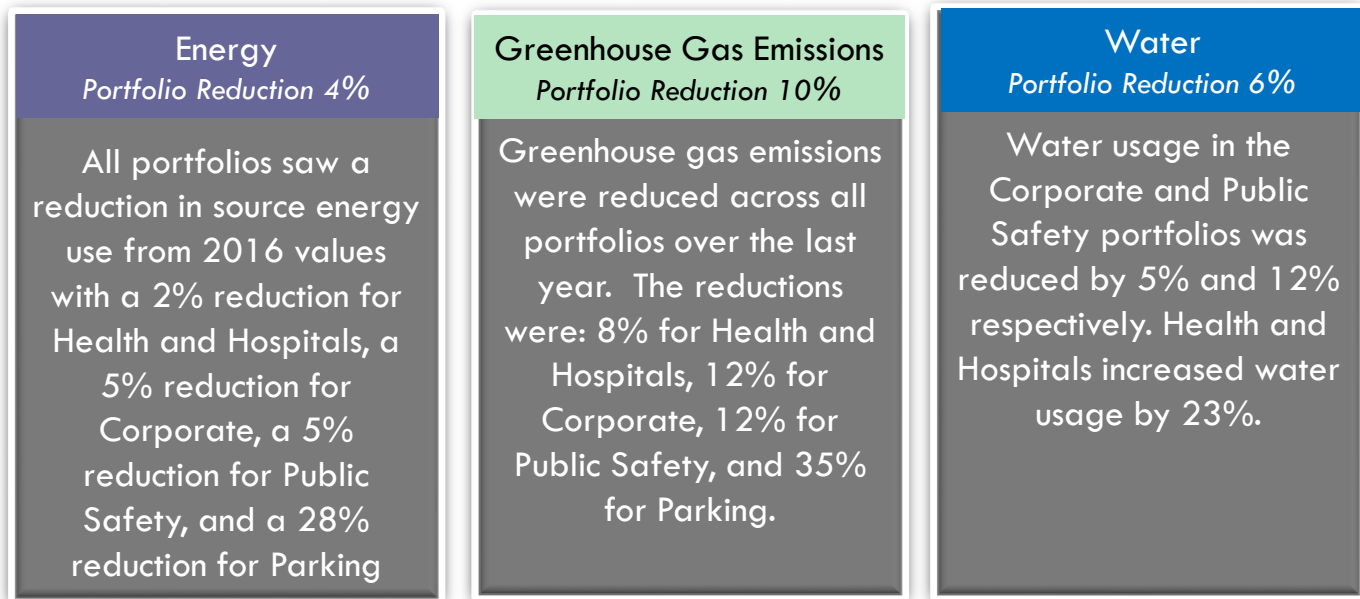


Figure 1. Percentage of square footage by building type

Benchmarking helps to compare year-to-year usage patterns to identify energy and cost saving opportunities. Across the portfolio, Cook County reduced energy, GHG emissions, and water from 2016-2017.

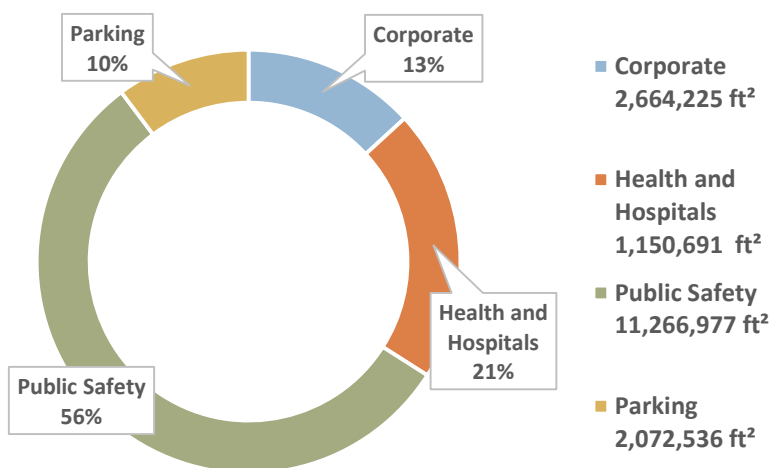


Figure 2. Number of County-owned buildings benchmarked in each portfolio category



ENERGY

Total
Energy
Usage
2017

3,523,867,498
kBtu

The Energy Use
Intensity (EUI) at

82%

of County Sites
Improved from
2016-2017

4%

Improvement in
Total Energy
Usage from 2016
values

Did you know?

Cook County is part of the Department of Energy's [Better Buildings Challenge](#), whereby organizations pledge to reduce portfolio energy usage by 20% over a 10 year timeframe.

Cook County has reduced energy usage 14% from its baseline year of 2013.





Energy Star Score

is an EPA metric to assess how buildings and facilities are performing². The score normalizes billed energy and business operations to compare like building types' year to year energy usage data.

ENERGY STAR SCORE PERFORMANCE

2017 High Performing Buildings by Energy Star Score included:

- Skokie Courthouse
- Dunne Building
- Rolling Meadows Courthouse

A score eligible for Energy Star certification is 75 and above. Certain building types, campuses, etc. are not eligible for Energy Star Score calculations. Data for the Cook County Portfolio can be seen in Appendix A.

Table 1. Facilities Reporting an Energy Star Score

Facility	Energy Star Score 2013	Energy Star Score 2014	Energy Star Score 2015	Energy Star Score 2016	Energy Star Score 2017
Skokie Courthouse (2 nd District)	49	79	84	86	94
George W. Dunne Administration Building	87	89	91	91	93
Rolling Meadows Courthouse (3 rd District)	66	71	69	80	89
Rockwell Warehouse	72	74	75	75	74
Domestic Violence Courthouse	70	66	72	65	73
Bridgeview Courthouse (5 th District)	57	45	42	52	68
Markham Courthouse (6 th District)	52	48	54	51	64
Whitcomb Building	Not Available	52	59	59	61
Cicero Records Center	Not Available	63	56	58	57
Cook County Building	41	53	52	55	59
Maywood Courthouse (4 th District)	Not Available	31	44	44	45
Jefferson Building	Not Available	38	49	52	41
Hawthorne Warehouse	45	43	39	37	38
Piszczek TB Clinic	19	23	24	39	32
Logan Square Health Center	60	66	38	34	29
John Stroger Jr. Hospital Campus	21	18	20	17	17
Near South Health Center*	Not Available	Not Available	Not Available	Not Available	10
Provident Hospital	16	3	1	4	5
Robbins Health Center	52	55	47	13	3
Cottage Grove Health Center	17	19	23	6	1
Rothstein Core Center	1	1	1	1	1
Englewood Health Center	1	1	1	1	1

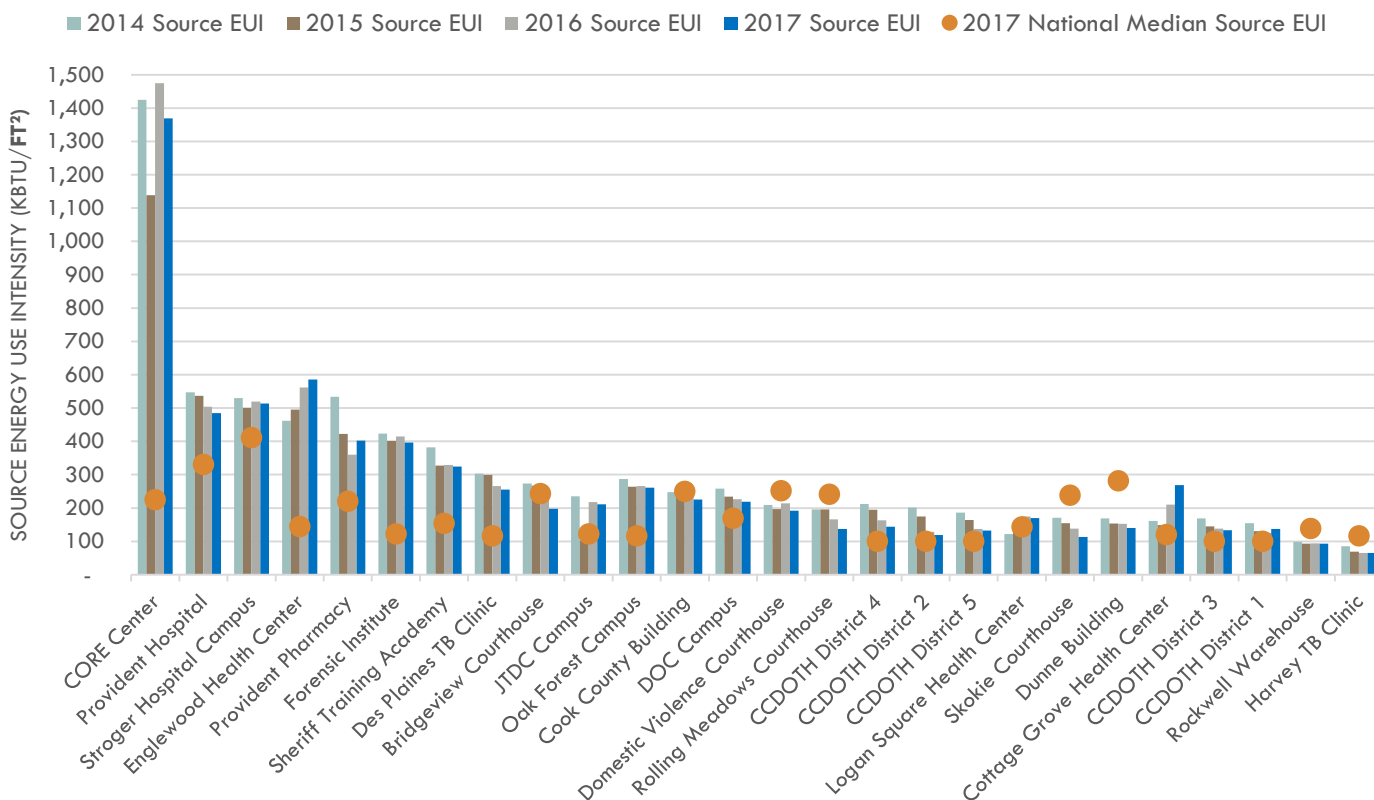
*Near South Health Center is new to this report 9

² <https://www.energystar.gov/buildings/facility-owners-and-managers/existing-buildings/use-portfolio-manager/interpret-your-results/what>

SOURCE ENERGY USE INTENSITY BY FACILITY

Source Energy Use Intensity (EUI) looks at total energy including production, usage, and distribution over the total site footprint. As not all property types qualify for Energy Star Score calculation, Source EUI is the comparison tool used for full portfolio evaluation.

Figure 3. Source Energy Use Intensity (kBtu/ft²) by Facility



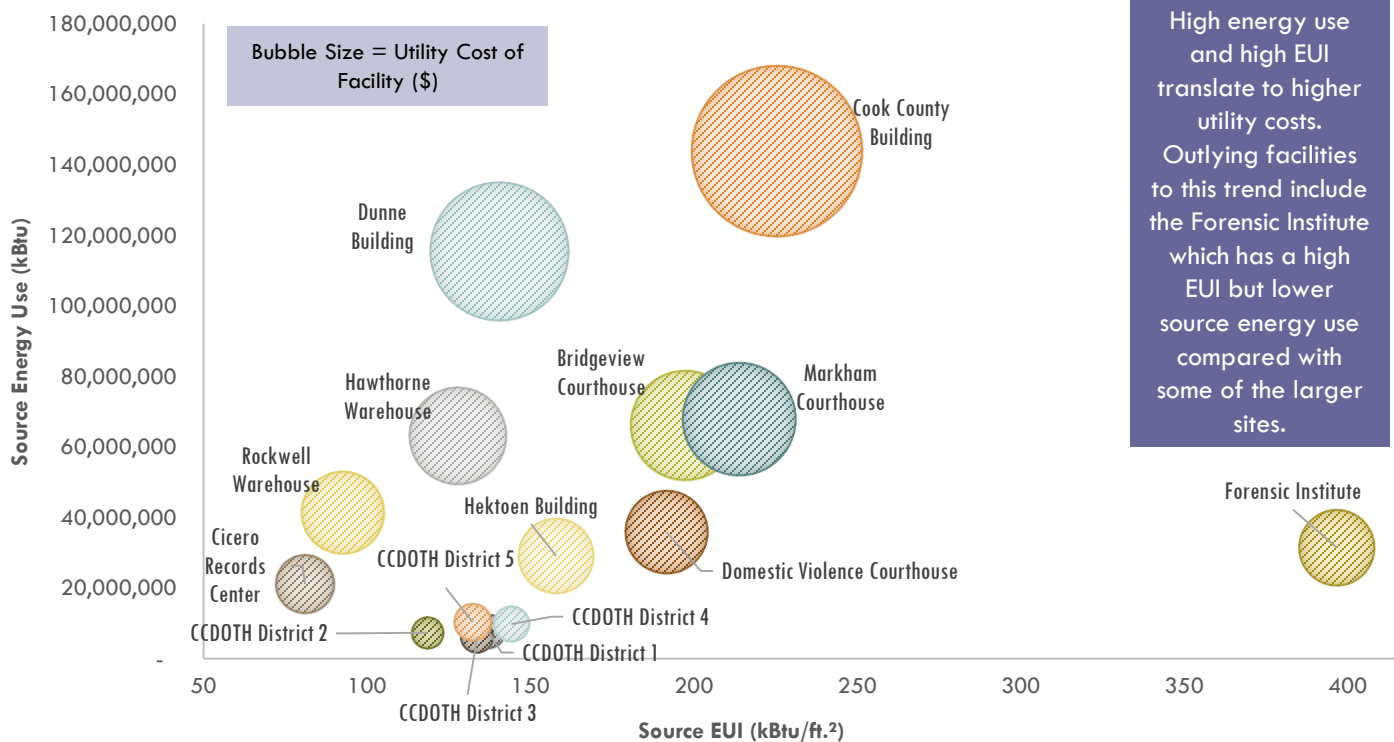
This figure looks at top Source EUI sites across the portfolio compared with national median values. 30% of facilities performed better than the national median in 2017. Some of these include the Bridgeview, Domestic Violence, Rolling Meadows, and Skokie Courthouses, Dunne Building, County Building, Rockwell Warehouse, and Harvey TB Clinic.

For facilities not eligible for an Energy Star Score, the metric Source Energy Use Intensity (EUI) is used as the benchmarking value for year to year comparison.

IMPACTS OF ENERGY USE INTENSITY ON COSTS

High performing buildings tend to have lower EUI values and lower costs meaning they utilize the energy needed per square foot of occupied space efficiently. An example of a site that consumes a significant amount of energy but efficiently uses the space is the Dunne Building. When compared with like facilities, this efficiency is evident by a lower EUI value and lower costs.

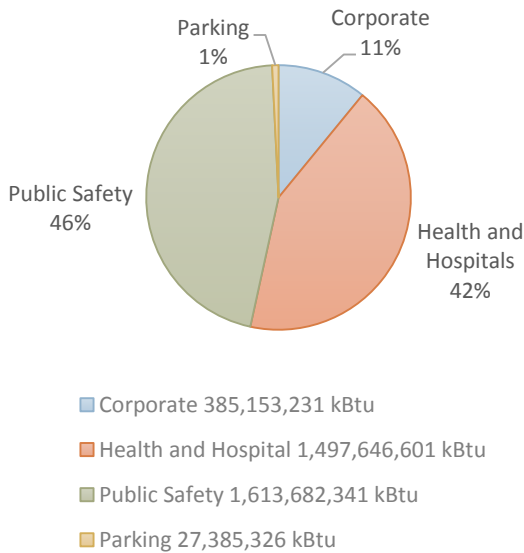
FIGURE 4. SOURCE ENERGY USE, ENERGY USE INTENSITY, AND UTILITY COST BY FACILITY



The DOC Campus, Stroger Hospital Campus, and JTDC Campus were left off this chart as they are the three highest energy users and would skew the data because they are large campuses rather than single buildings. Energy use for these campuses can be found in the Appendix.

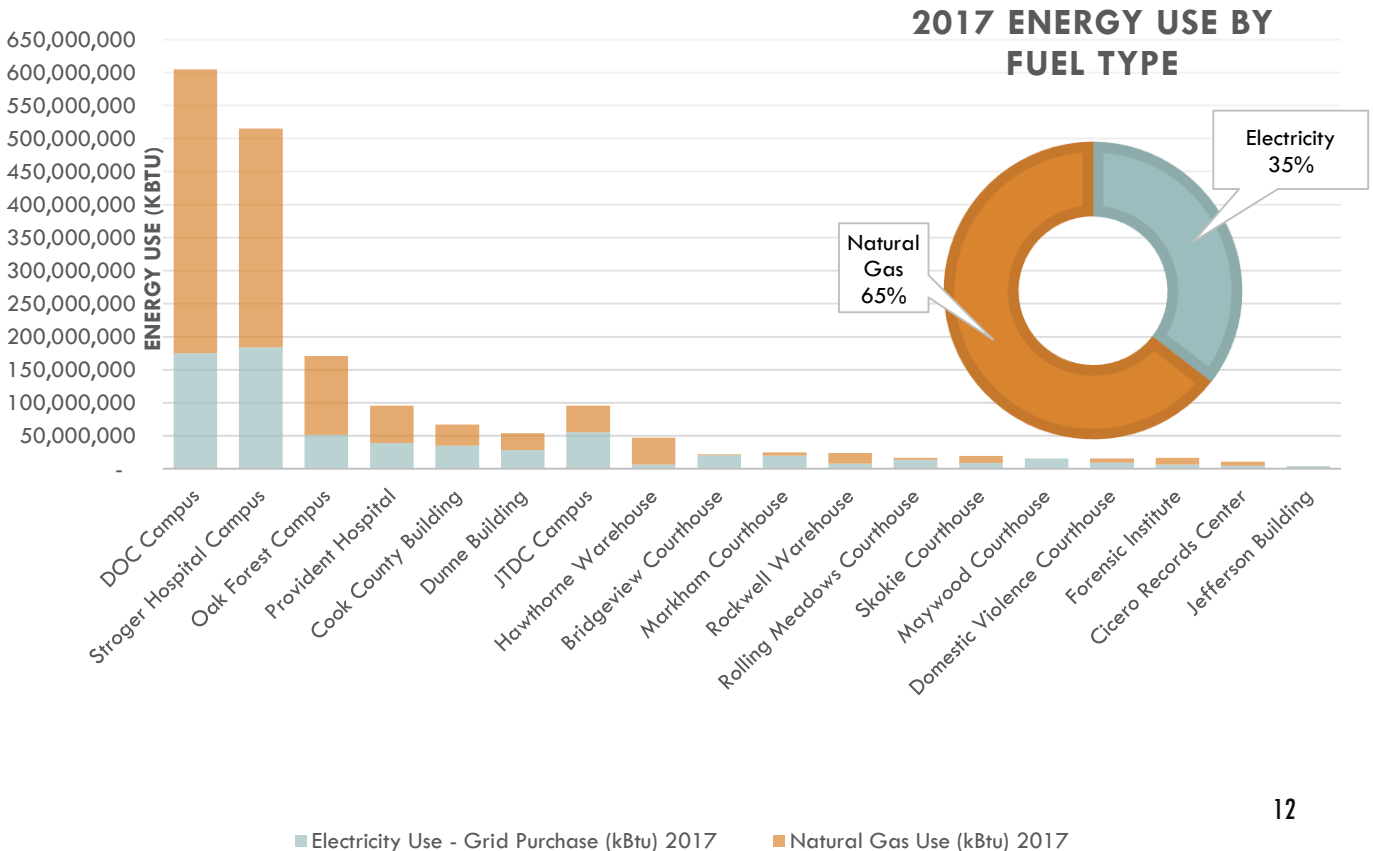
SOURCE ENERGY USE BY PORTFOLIO

Figure 5. 2017 Source Energy by Building Portfolio



The type of energy used to operate a building determines overall emissions and consumption costs. GHG emissions from electricity are higher than those from natural gas in Illinois. In recent years, Cook County facilities have shifted toward using more natural gas (3% increase from 2016) and less electricity (3% decrease from 2016). Figure 6 below shows the split between electricity and natural gas usage for Cook County sites that use the most energy and across the portfolio.

FIGURE 6. FACILITY ENERGY USE BY FUEL TYPE





Des Plaines Thermal Wall

As part of the Guaranteed Energy Performance Contract, Cook County installed thermal wall technologies at Department of Transportation and Highways facilities to reduce natural gas usage. This is a passive system in which air is heated by the sun within a cavity in the building wall. As the air warms and rises, fans blow the hot air into the garage space to supplement heating needs. This reduces general HVAC energy and natural gas usage required to heat these spaces. Annual estimated savings for natural gas are equivalent to powering 32 homes for one year.



CARBON REDUCTION AT COOK COUNTY OWNED FACILITIES

Total GHG
Emissions
2017

183,671 metric
tons CO₂e

91%

of Sites
Reduced GHG
Emissions from
2016-2017

10%

Total GHG
Reduction
from 2016-
2017

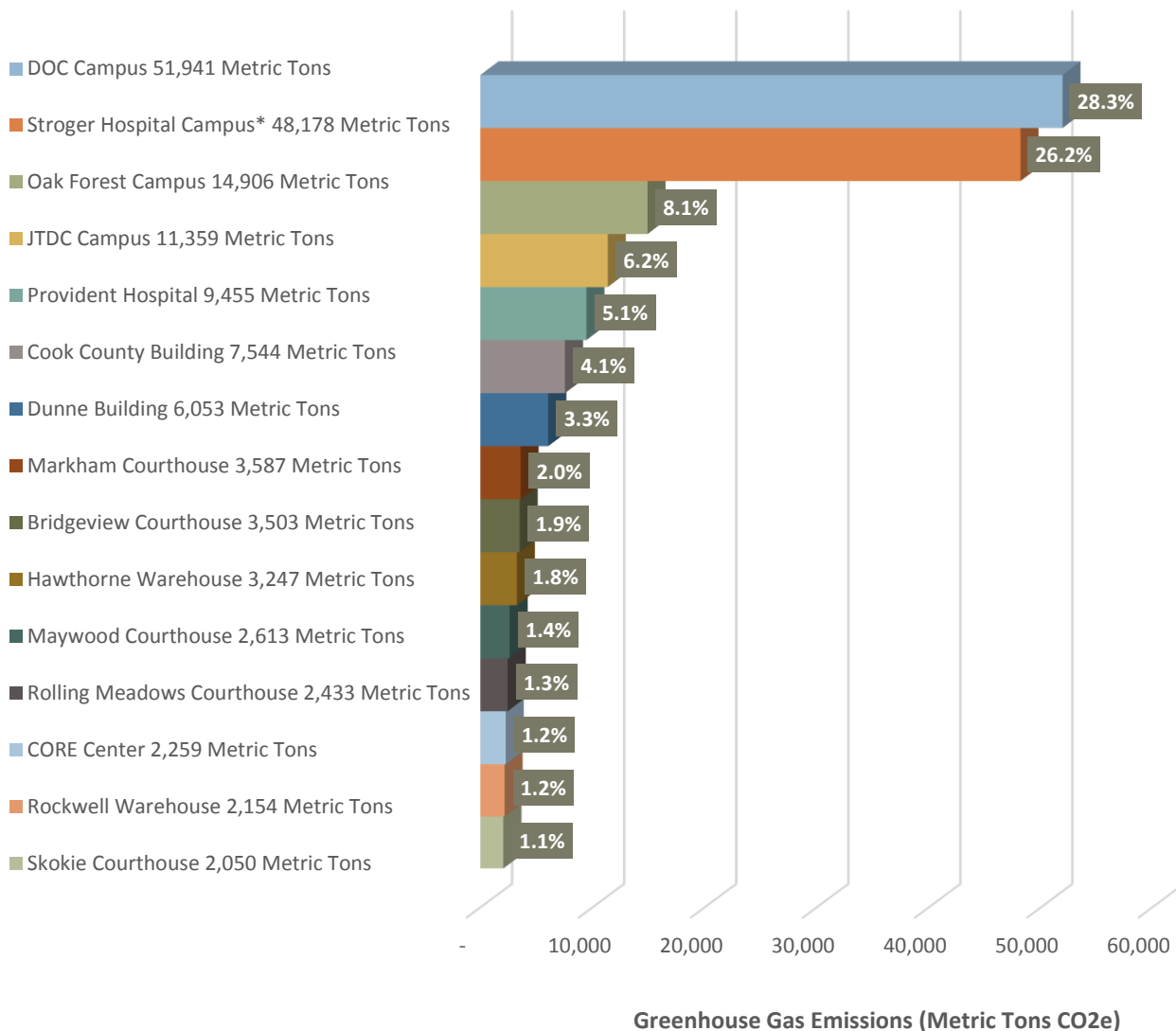
Did you know?

Cook County has reduced Greenhouse Gas (GHG) emissions by 10% or 21,165 metric tons CO₂e from benchmarked buildings over the last year. Emissions savings resulted from energy efficiency upgrades, renewable energy integration, and portfolio consolidation.

**Cook County has a goal to reduce
GHG emissions 80% by 2050
from 2010 values***

GREENHOUSE GAS EMISSIONS BY FACILITY

Figure 7. Percent of Total GHG Emissions by Facility

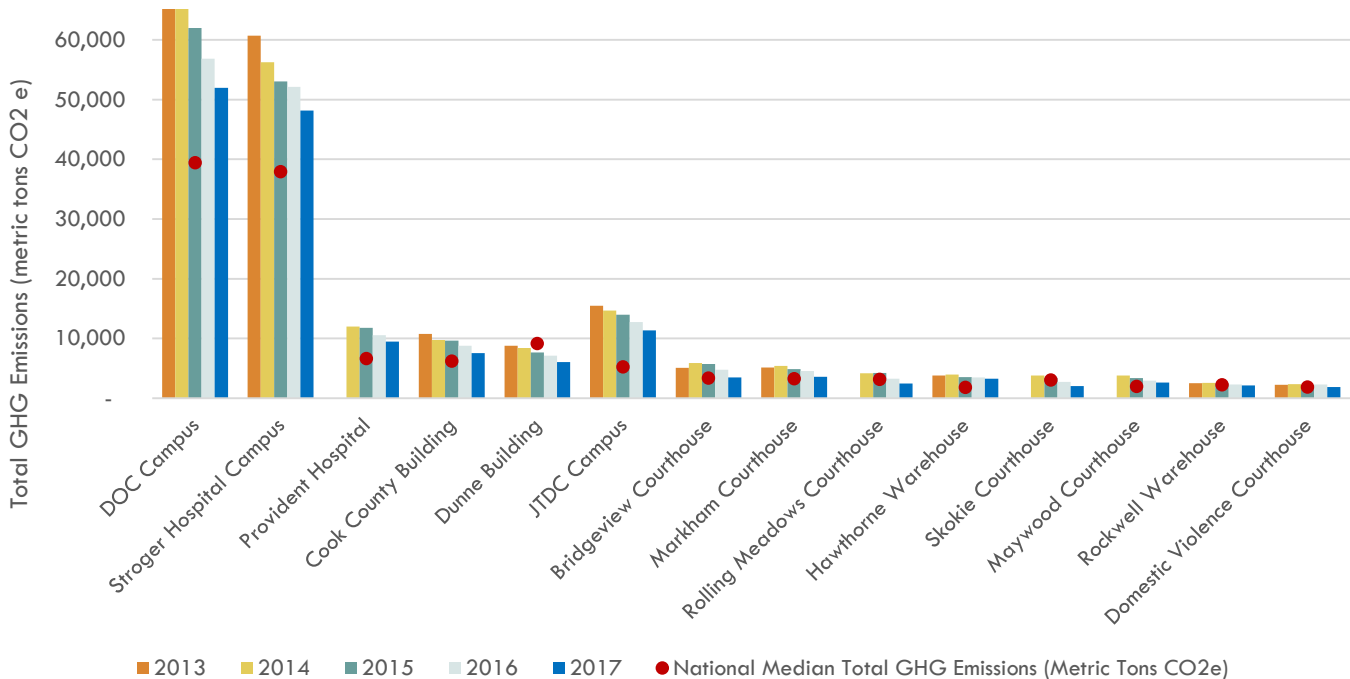


Of the benchmarked buildings, the two highest GHG emitting sites in Cook County's building portfolio are the DOC Campus and Stroger Hospital Campus. This chart includes the top 15 sites for GHG emissions. The remaining buildings in the portfolio not included on this chart make up about 6.7% of total portfolio emissions.

GREENHOUSE GAS EMISSIONS VS. NATIONAL MEDIAN

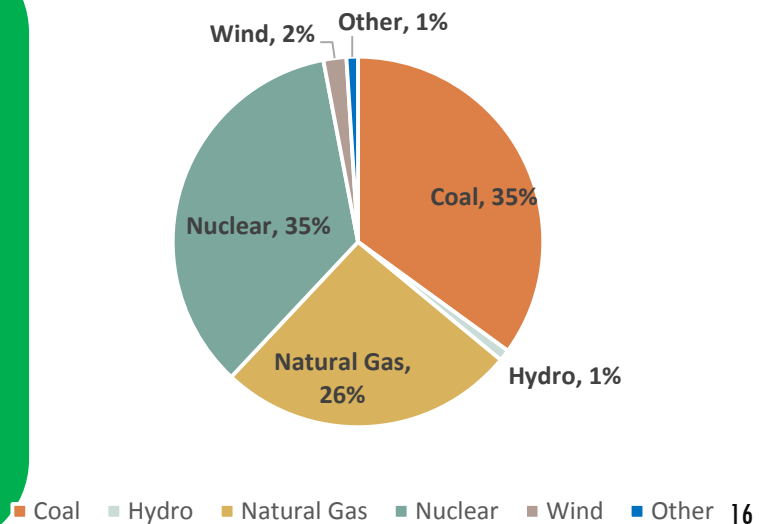
Facilities that performed better than the 2017 national median include the Dunne Building, Rockwell Warehouse, Skokie Courthouse, Rolling Meadows Courthouse, Hektoen Building, Sheriff Central Warrants, and Englewood Health Center. The national median for each facility differs based on sector type and building size.

Figure 8. Total Greenhouse Gas Emissions vs. National Median



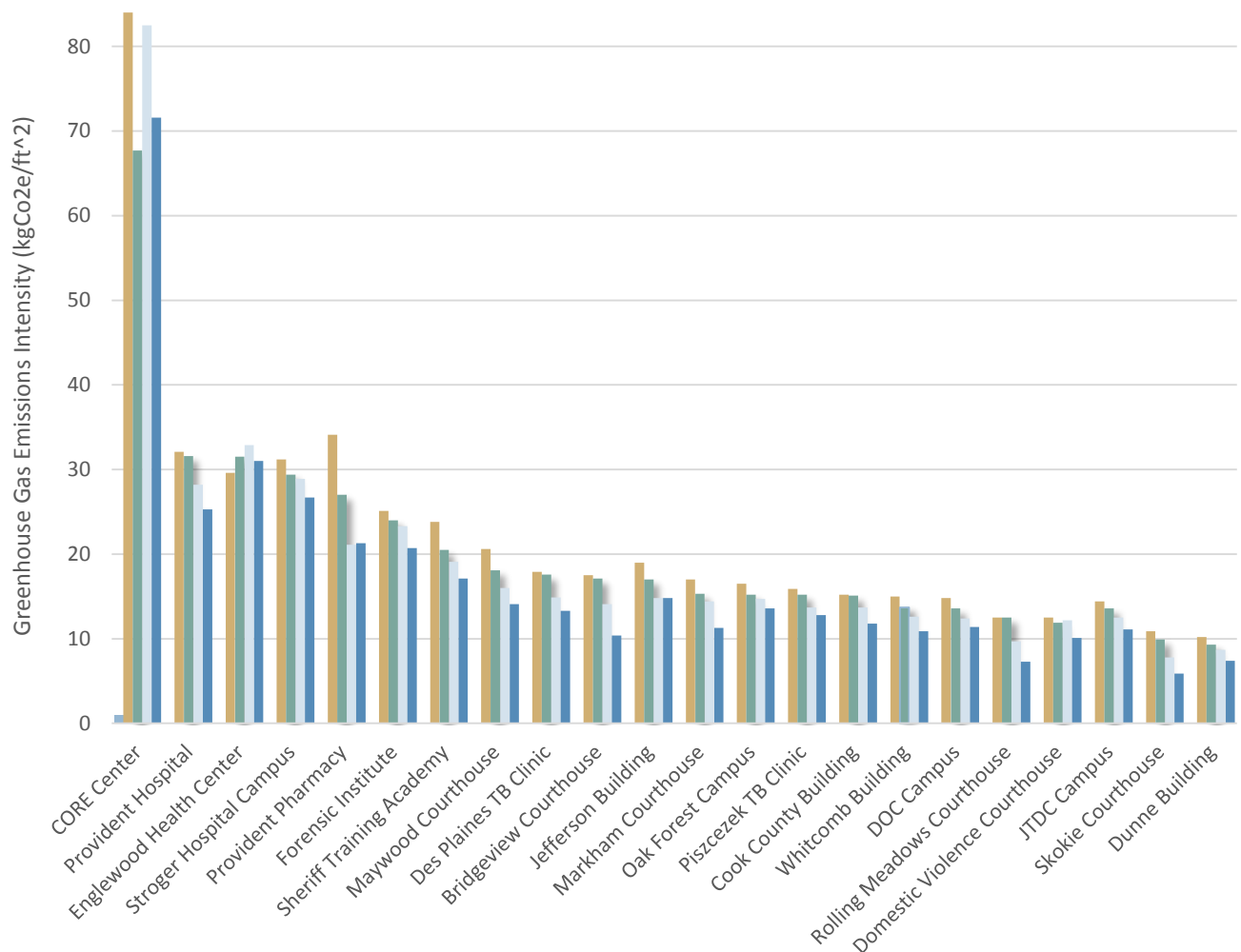
The County gets its electricity from the [ComEd energy grid mix](#). Nuclear and coal fuel sources make up the majority of this grid. As more renewable energy sources are added to meet requirements from the Future Energy Jobs Act, greenhouse gas emissions will be reduced at the grid level as well as at daily operational levels.

Figure 9. 2017 ELECTRICITY GRID COMPOSITION (COMED)



GREENHOUSE GAS EMISSIONS INTENSITY

Figure 10. Greenhouse Gas Emissions Intensity (kgCO₂e/ft²)



Greenhouse gas intensity expresses total emissions on a per square foot basis with units (kgCO₂e/ft²)

2014 2015 2016 2017

This figure highlights the general improvement in greenhouse gas emissions intensity across the majority of facilities. Outlying high GHG Intensity values such as the CORE Center reveal areas for improvement.



ENERGY SERVICE CONTRACT (ESCO) HIGHLIGHTS

Upgrades Included:

- Boiler and Chiller Replacements
- Natural Gas DHW Heaters
- New AHU Fans and VFDs
- RTU Replacements
- Building Automation Systems and Controls
- Piping
- Geothermal Ground Source Heat Pump
- Water Conservation
- Solar PV
- Thermal Walls
- Heating System Upgrades
- EV Charging Stations
- N2 Tire Filling Stations
- LED Lighting Upgrades

2014-2017 Upgrades to County facilities included: DOC Campus, JTDC Campus, Stroger Hospital Campus, Dunne Building, County Building, Bridgeview, Markham, Rolling Meadows, and Skokie Courthouses, and DOT Highway Maintenance Facilities.



Benefits: 20 years of savings pay back the investments. Packaging projects maximizes emissions savings for energy efficiency projects.





WATER

Total Water
Use
2017
570,255
TGAL*

57%
of Sites
Decreased
Water Use
from 2016-
2017

6%
decrease in
total water
usage from
2016-2017

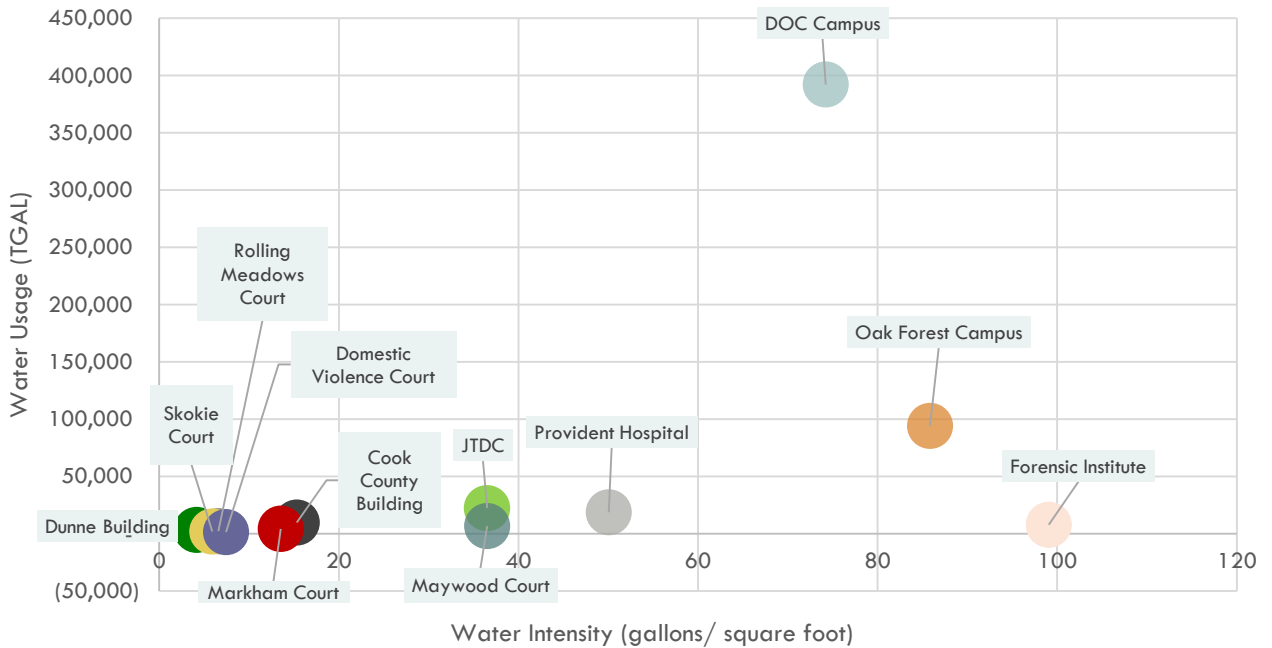
Did you know?

This is the second full year of water data reported for Cook County's Portfolio of buildings.

Cook County has a 30% water reduction goal by 2025

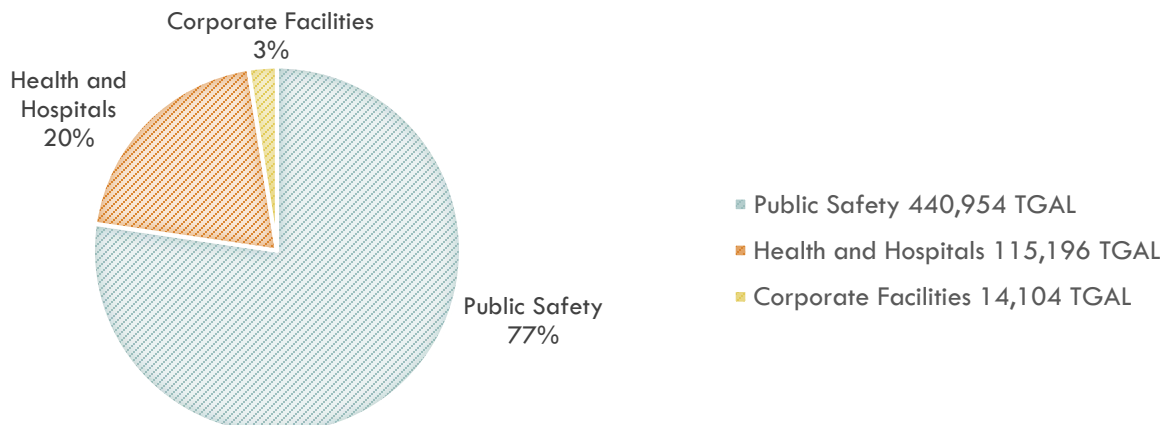
WATER USAGE

FIGURE 11. COMPARISON OF WATER USE AND WATER USE INTENSITY



Total water consumption and water use intensity (use over occupied area) provide metrics for improvement planning. High water usage and high water use intensity can coincide but this is not always the case. For example, the Forensic Institute consumes less water but has a higher water use intensity which indicates further analysis for improvement.

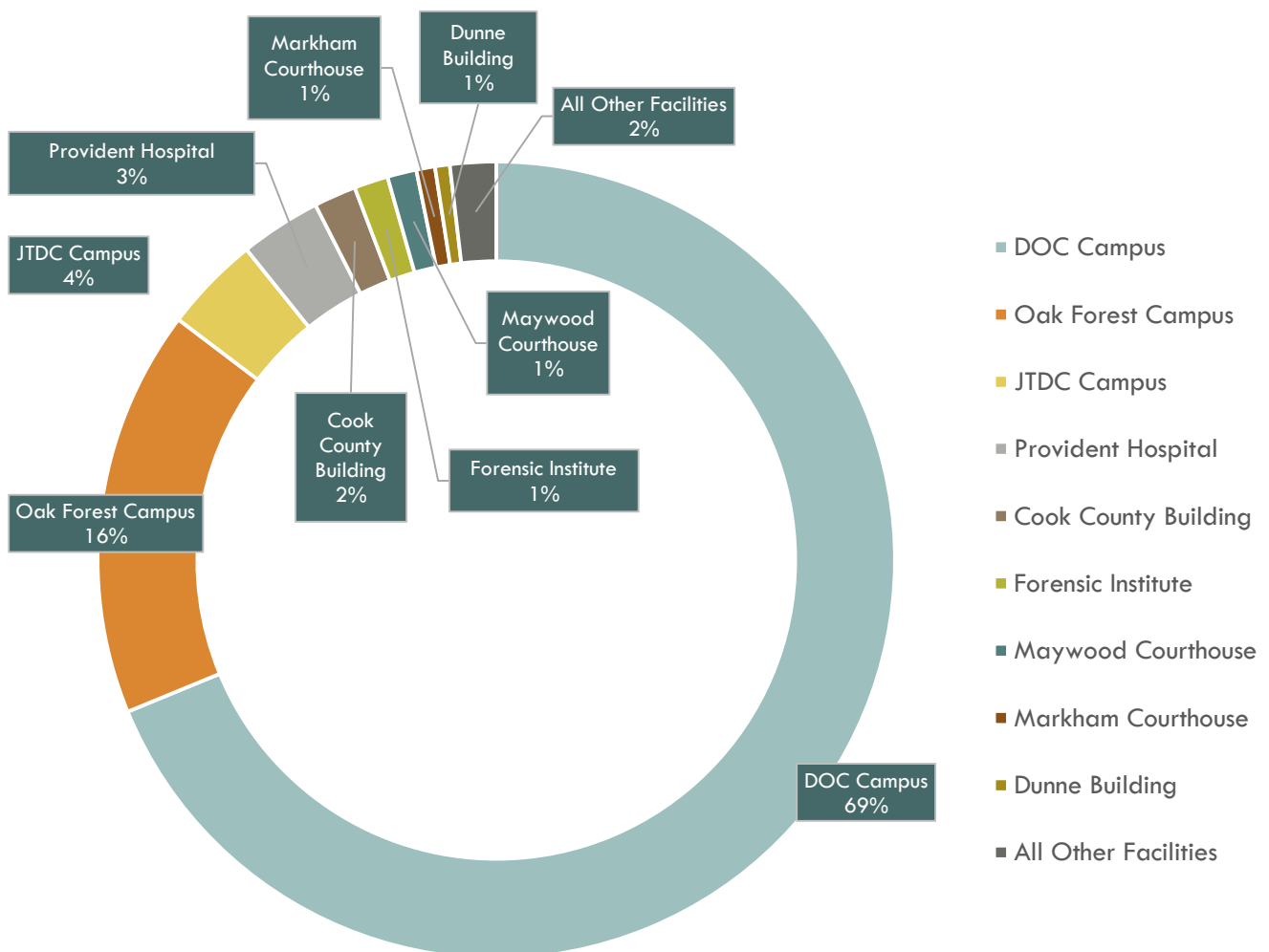
FIGURE 12. TOTAL WATER USE BY PORTFOLIO



PERCENTAGE OF WATER USAGE BY FACILITY

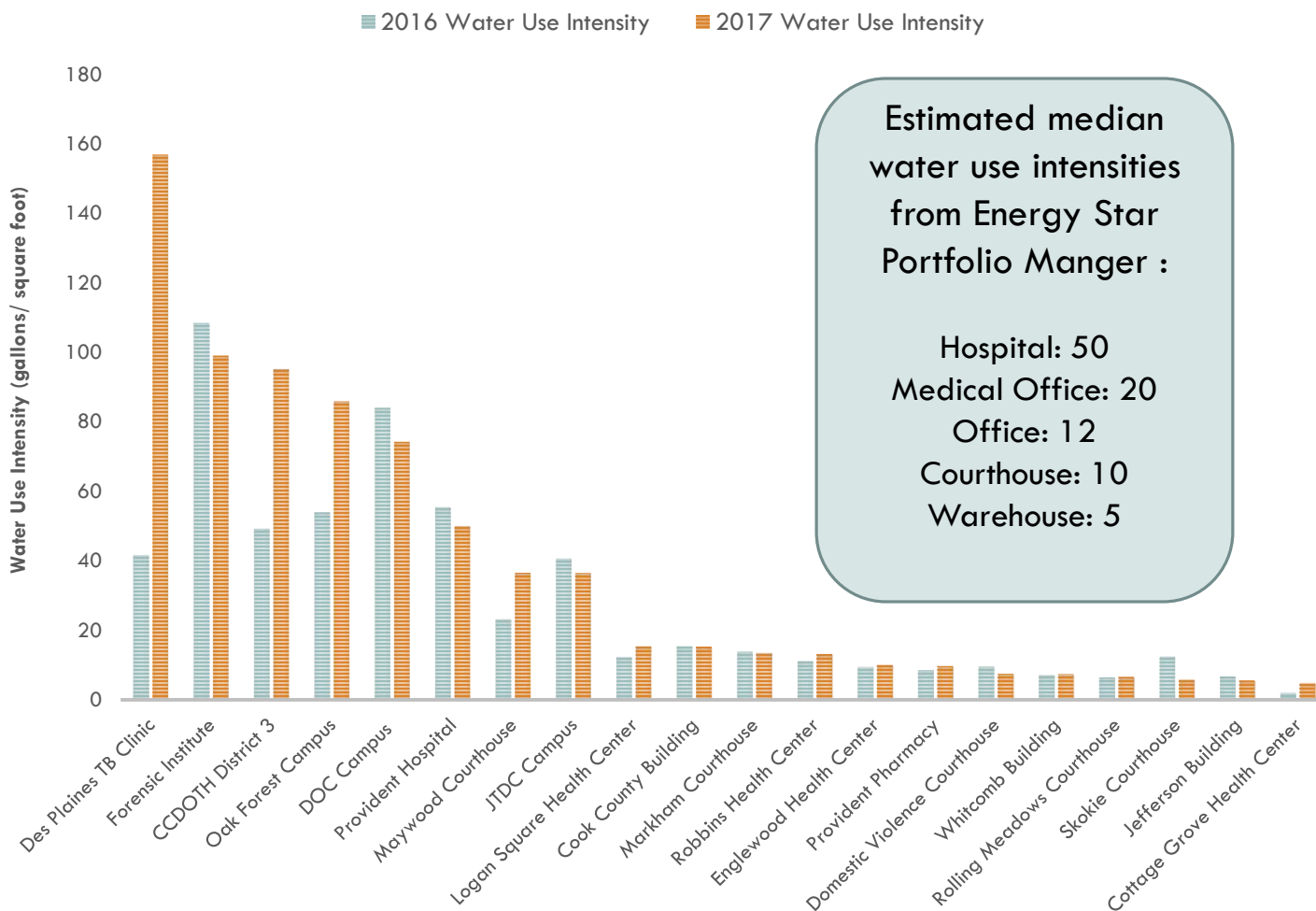
This figure shows the water use breakdown over the County portfolio. The highest water consumption occurs at the DOC campus which makes up 69% of water usage within the portfolio. Oak Forest Hospital and JTDC Campus are also high water consumers.

Figure 13. Percent of Water Use by Facility



WATER USE INTENSITY

FIGURE 14. WATER USE INTENSITY 2016-2017



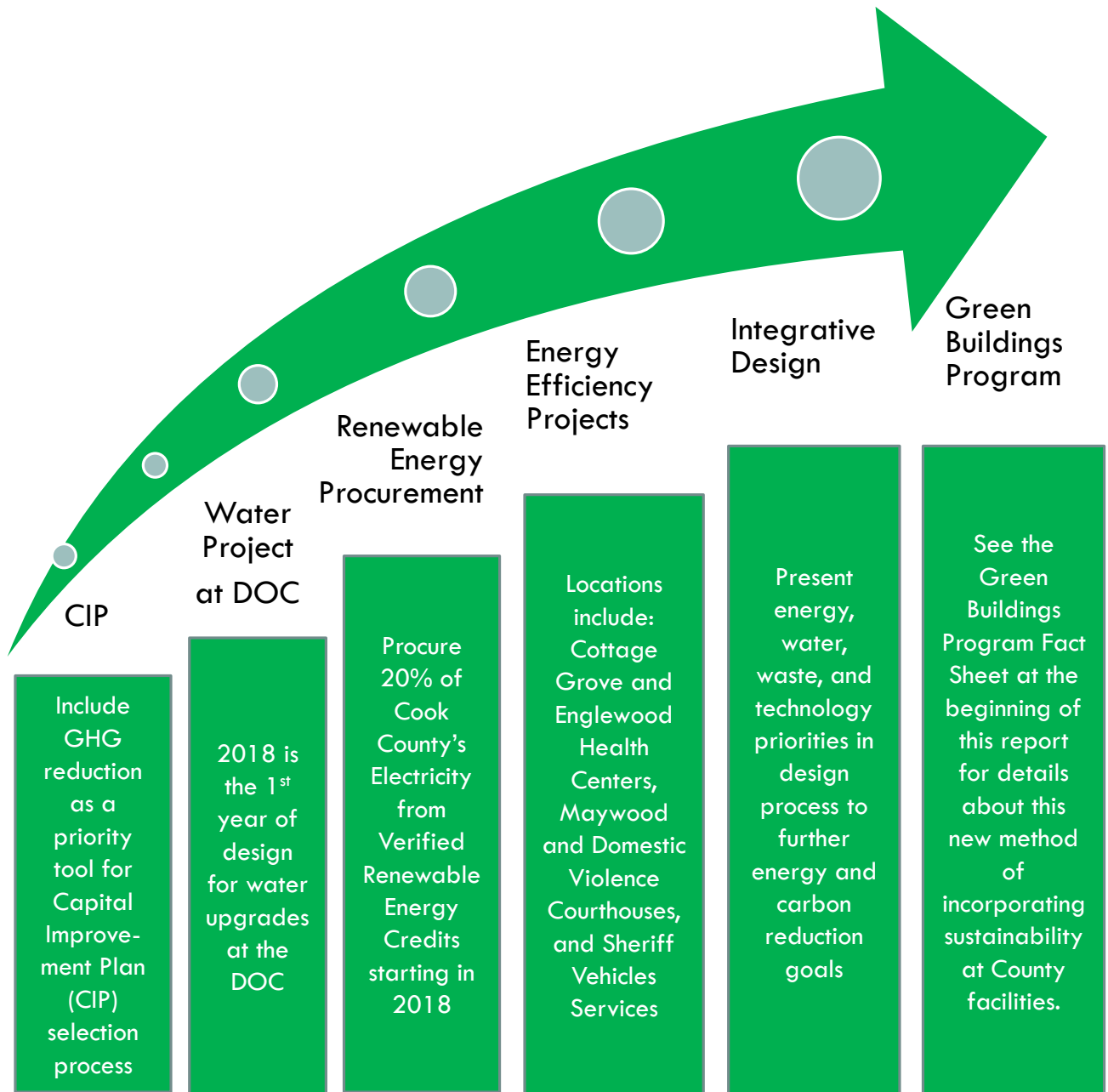
Water intensity is a similar metric to energy use intensity that compares total water usage over the size of the facility. This footprint impact can highlight inefficiencies in infrastructure design or areas for further submeter analysis to conserve the most water. Facilities with an increase in use intensity may require further analysis to detect leaks or operational changes.

Water Efficiency Highlight: Dunne Building Restroom Fixtures



One of the new construction projects in 2017 was the remodeling of the 22nd floor of the George W. Dunne Building. New AER-DEC sink fixtures in the restrooms are up to 67% more efficient at saving water than non-automatic fixtures, and the in sink dryers reduce energy use about 80% with shorter dry times than traditional hand dryers. Automatic high efficiency toilet and urinal fixtures installed in recent projects also reduce water usage in the building by approximately 29%.

NEXT STEPS



DATA TABLES

☐ Appendix A: 2017 Energy Benchmarking Results of County-Owned Properties

☐ Appendix B: 2017 Water Benchmarking Results

☐ Appendix C: Cook County Building List by Portfolio

☐ Appendix D: Assumptions for Calculations

Appendix A: 2017 Energy Benchmarking Results of County-Owned Properties

The following table summarizes the 2017 benchmarking results for each building. Data has been downloaded from Energy Star Portfolio Manager.

Property Name	Primary Property Type	Year Built	No. of Bldgs.	ENERGY STAR Score	Site EUI (kBtu /ft²)	Source EUI (kBtu/ ft²)	Source Energy Use (kBtu)	Site Energy Use (kBtu)	Electricity Use - Grid Purchase (kWh)	Natural Gas Use (therms)	GHG Emissions (Metric Tons CO2e)	GHG Emissions Intensity (kgCO2e/ft²)
George W Dunne Office Building	Office	1965	1	93	66	141	115,465,096	53,929,461	8,251,086	257,768	6,053	7
Cook County Building	Office	1906	1	59	105	225	143,909,537	67,094,748	10,301,391	319,464	7,544	12
Rockwell Warehouse	Non-Refrigerated Warehouse	1927	1	74	53	93	41,414,871	23,722,523	2,314,687	158,248	2,154	5
Hawthorne Warehouse	Non-Refrigerated Warehouse	1905	1	38	96	128	63,218,100	47,346,875	1,893,666	408,857	3,247	7
Cicero Records Center	Non-Refrigerated Warehouse	2008	1	57	42	81	21,145,628	10,877,770	1,363,604	62,252	1,105	4
2nd District Courthouse Complex - Skokie	Courthouse	1980	1	85	67	147	50,934,307	23,317,845	3,709,195	106,621	2,672	8
2nd District Courthouse (Skokie)	Courthouse	1980	(1)	94	57	113	39,197,513	19,580,012	2,613,699	106,621	2,050	6
2nd District Courthouse (Skokie) Parking Structure	Parking	2002	(1)	N/A	8	24	11,644,214	3,708,349	1,086,855	N/A	617	1
3rd District Courthouse Complex - Rolling Meadows	Courthouse	1987	1	87	52	144	48,137,462	17,402,467	4,187,987	31,131	2,543	8
3rd District Courthouse (Rolling Meadows)	Courthouse	1987	(1)	89	50	137	46,067,761	16,743,327	3,994,804	31,131	2,433	7
3rd District Courthouse (Rolling Meadows) Parking Structure	Parking	1987	(1)	N/A	1	4	2,162,279	688,624	201,824	N/A	115	0.2

Property Name	Primary Property Type	Year Built	No. of Bldgs.	ENERGY STAR Score	Site EUI (kBtu /ft²)	Source EUI (kBtu/ ft²)	Source Energy Use (kBtu)	Site Energy Use (kBtu)	Electricity Use - Grid Purchase (kWh)	Natural Gas Use (therms)	GHG Emissions (Metric Tons CO2e)	GHG Emissions Intensity (kgCO2e/ft²)
4th District Courthouse Campus - Maywood	Courthouse	1975	4	N/A	88	270	74,753,068	24,306,459	6,903,762	7,508	3,959	14
Jefferson Building	Office	1965	(1)	41	89	279	13,178,886	4,197,097	1,230,099	N/A	698	15
Whitcomb Building	Office	1965	(1)	61	65	205	4,758,083	1,515,313	444,113	N/A	252	11
Sheriff Training Academy	Other - Public Services	1967	(1)	N/A	126	324	7,028,542	2,738,138	582,450	7,508	371	17
4th District Courthouse (Maywood)	Courthouse	1975	(1)	45	85	267	49,317,502	15,706,211	4,603,227	N/A	2,613	14
5th District Courthouse - Bridgeview	Courthouse	1989	1	68	66	197	66,172,762	22,002,330	6,039,802	13,945	3,503	10
Domestic Violence Courthouse	Courthouse	1890	1	73	84	192	35,908,360	15,772,718	2,713,054	65,158	1,886	10
6th District Courthouse - Markham	Courthouse	1980	1	64	78	214	67,940,470	24,899,545	5,861,096	49,015	3,587	11
Juvenile Temporary Detention Center Campus	Prison/ Incarceration	1973	3	N/A	94	211	216,302,955	95,778,288	16,229,763	404,023	11,359	11
Juvenile Temporary Detention Center	Prison/ Incarceration	1974	(1)	N/A	88	183	111,574,621	53,933,882	7,704,869	276,449	5,842	10
Juvenile Courthouse	Courthouse	1993	(1)	63	95	233	96,196,786	39,127,353	7,728,571	127,575	5,065	12
JTDC Parking Structure	Parking	1993	(1)	N/A	4	11	8,682,201	2,765,032	810,385	N/A	460	0.6
Institute of Forensic Medicine	Other – Public Services	1982	1	N/A	209	397	31,484,386	16,608,078	1,969,674	98,876	1,643	21
Cook County Department of Corrections Campus	Prison/ Incarceration	1926	57	N/A	132	219	1,000,758,738	604,656,583	51,306,293	4,295,995	51,941	11

Property Name	Primary Property Type	Year Built	No. of Bldgs.	ENERGY STAR Score	Site EUI (kBtu /ft²)	Source EUI (kBtu/ ft²)	Source Energy Use (kBtu)	Site Energy Use (kBtu)	Electricity Use - Grid Purchase (kWh)	Natural Gas Use (therms)	GHG Emissions (Metric Tons CO2e)	GHG Emissions Intensity (kgCO2e/ft²)
CCDOTH Maintenance Facility District 1	Repair Services	1954	4	N/A	114	137	7,760,404	6,443,792	139,449	59,680	396	7
CCDOTH Maintenance Facility District 3	Repair Services	1950	3	N/A	83	134	6,193,154	3,840,759	302,950	28,071	321	7
CCDOTH Maintenance Facility District 2	Repair Services	1990	4	N/A	93	119	7,342,357	5,779,891	178,580	51,706	376	6
CCDOTH Maintenance Facility District 4	Repair Services	1969	5	N/A	117	144	9,869,710	8,002,160	205,781	73,000	505	7
CCDOTH Maintenance Facility District 5	Repair Services	1987	3	N/A	96	132	10,341,599	7,465,949	350,908	62,687	532	7
Oak Forest Hospital Campus	Medical Office	1910	52	N/A	155	261	286,988,545	170,544,074	15,133,368	1,189,090	14,906	14
CORE Center	Medical Office	1998	1	1	686	1,369	43,194,637	21,651,955	2,869,142	118,624	2,259	72
Provident Hospital Campus	Hospital (General Medical & Surgical)	1981	2	5	259	496	185,460,643	96,788,008	11,756,035	566,764	9,684	26
Provident Hospital	Hospital (General Medical & Surgical)	1981	(2)	4	255	484	181,146,244	95,413,995	11,353,335	566,764	9,455	25
Provident Hospital Parking Structure	Parking	1991	(1)	N/A	6	17	4,275,088	1,361,493	399,031	Not Available	227	1
Stroger Hospital Campus	Hospital (General Medical & Surgical)	2002	4	17	286	513	925,067,362	515,132,547	53,873,767	3,313,152	48,178	27
Hektoen Building	Laboratory	1964	2	N/A	127	158	29,144,868	23,471,928	630,948	213,191	1,491	8
Cottage Grove Health Center	Medical Office	2000	0	1	142	269	3,598,379	1,893,301	225,830	11,228	188	14

Property Name	Primary Property Type	Year Built	No. of Bldgs.	ENERGY STAR Score	Site EUI (kBtu /ft²)	Source EUI (kBtu/ ft²)	Source Energy Use (kBtu)	Site Energy Use (kBtu)	Electricity Use - Grid Purchase (kWh)	Natural Gas Use (therms)	GHG Emissions (Metric Tons CO2e)	GHG Emissions Intensity (kgCO2e/ft²)
Piszczek TB Clinic	Medical Office	1957	1	32	155	247	4,783,927	2,990,690	230,498	22,042	248	13
Des Plaines TB Clinic	Medical Office	1991	1	N/A	149	255	634,541	370,880	34,373	2,536	33	13
Logan Square Health Center	Medical Office	1962	1	29	78	170	1,384,975	639,826	100,007	2,986	73	9
Englewood Health Center	Medical Office	2000	1	1	197	586	6,305,308	2,123,405	571,545	1,733	334	31
Harvey TB Clinic	Medical Office	1962	1	N/A	53	65	177,661	143,622	3,766	1,308	9	3
Robbins Health Center	Medical Office	2000	1	3	149	247	3,536,025	2,130,606	182,145	15,091	184	13
Cicero Health Center	Medical Office	1999	1	34	69	184	1,562,332	584,797	132,981	1,311	82	10
Prieto Health Center	Medical Office	1994	1	6	116	258	4,371,285	1,965,088	323,646	8,608	229	14
Provident Hospital Pharmacy	Medical Office	2005	1	3	128	403	2,648,050	843,627	247,121	4	140	21
Rockwell Warehouse Garage	Repair Services (Vehicle, Shoe, Locksmith, etc.)	1927	1	N/A	98	130	621,544	468,789	18,134	4,069	32	7
Sheriff Central Warrants	Police Station	1955	1	N/A	74	133	2,590,707	1,446,149	150,363	9,331	135	7
Near South Health Center	Medical Office	1994	1	10	145	272	3,102,464	1,656,027	191,224	10,036	162	14

NOTE: NO. OF BLDGS. IN () INDICATE CAMPUS PORTFOLIOS WHERE THE BUILDINGS ARE COUNTED ELSEWHERE TO AVOID DOUBLE COUNTING

Appendix B: 2017 Water Benchmarking Results

Water data from billing usage data sets and water use intensity calculations.

Facility Name	Type	City	TGAL Consumption	UOM	Water Intensity (gal/sq ft)	UOM
DOC Campus	PS	Chicago	392,233	1,000 Gallons	74.2	Gallons/sq ft
Oak Forest Hospital	HH	Chicago	94,247	1,000 Gallons	85.8	Gallons/sq ft
JTDC Campus	PS	Chicago	22,311	1,000 Gallons	36.5	Gallons/sq ft
Provident Hospital	HH	Chicago	18,723	1,000 Gallons	50.1	Gallons/sq ft
Cook County Building	CF	Chicago	9,771	1,000 Gallons	15.3	Gallons/sq ft
Rob't J. Stein Institute of Forensic Medicine	PS	Chicago	7,861	1,000 Gallons	99.0	Gallons/sq ft
Markham Courthouse (6th Dist.)	PS	Markham	4,300	1,000 Gallons	13.5	Gallons/sq ft
Maywood Courthouse (4th Dist.)	PS	Maywood	6,751	1,000 Gallons	36.5	Gallons/sq ft
Rolling Meadows Courthouse (3rd District)	PS	Rolling Meadows	2,203	1,000 Gallons	6.6	Gallons/sq ft
Domestic Violence Courthouse	PS	Chicago	1,395	1,000 Gallons	7.5	Gallons/sq ft
Stroger Hospital Campus	HH	Chicago	1,108	1,000 Gallons	0.6	Gallons/sq ft
Dunne Building	CF	Chicago	3,417	1,000 Gallons	4.2	Gallons/sq ft
Edward Piszczek TB Clinic	HH	Forest Park	85	1,000 Gallons	4.4	Gallons/sq ft
Bridgeview Courthouse (5th Dist.)	PS	Bridgeview	451	1,000 Gallons	1.3	Gallons/sq ft
CCDOTH District 5	PS	Blue Island	170	1,000 Gallons	2.2	Gallons/sq ft
Hawthorne Warehouse	CF	Chicago	851	1,000 Gallons	1.7	Gallons/sq ft
CCDOTH District 4	PS	Orland Park	263	1,000 Gallons	3.8	Gallons/sq ft
Jefferson Building	PS	Maywood	265	1,000 Gallons	5.6	Gallons/sq ft
CCDOTH District 1	PS	Schaumburg	145	1,000 Gallons	2.6	Gallons/sq ft
Cottage Grove Medical Center	HH	Chicago Heights	66	1,000 Gallons	4.9	Gallons/sq ft
Whitcomb Building	PS	Maywood	171	1,000 Gallons	7.4	Gallons/sq ft
Robbins Health Center	HH	Robbins	189	1,000 Gallons	13.2	Gallons/sq ft
CCDOTH District 2	PS	Des Plaines	145	1,000 Gallons	2.3	Gallons/sq ft
CCDOTH District 3	PS	LaGrange Park	247	1,000 Gallons	95.2	Gallons/sq ft
Cicero Health Center	HH	Cicero	18	1,000 Gallons	2.2	Gallons/sq ft
Englewood Health Center	HH	Chicago	109	1,000 Gallons	10.1	Gallons/sq ft
Logan Square Health Center	HH	Chicago	126	1,000 Gallons	15.4	Gallons/sq ft
Des Plaines TB Clinic	HH	Des Plaines	391	1,000 Gallons	156.9	Gallons/sq ft
Provident Outpatient Pharmacy	HH	Chicago	64	1,000 Gallons	9.7	Gallons/sq ft
Skokie Courthouse (2nd District)	PS	Skokie	2,042	1,000 Gallons	5.9	Gallons/sq ft
Ruth M. Rothstein Core Center	HH	Chicago	37	1,000 Gallons	1.2	Gallons/sq ft
Provident Parking Structure	PK	Chicago	28	1,000 Gallons	0.1	Gallons/sq ft
Rockwell Warehouse	CF	Chicago	52	1,000 Gallons	0.1	Gallons/sq ft
Dr. Jorge Prieto Health Center	HH	Chicago	6	1,000 Gallons	0.3	Gallons/sq ft
Hektoen Building	HH	Chicago	0	1,000 Gallons	0.0	Gallons/sq ft
Harvey TB Clinic	HH	Harvey	0.40	1,000 Gallons	0.1	Gallons/sq ft
Cicero Records Center	CF	Cicero	13	1,000 Gallons	0.05	Gallons/sq ft

*Note: Water data was based on available billing information. A few of these sites are undergoing further analysis to ensure usage accuracy

Appendix C: Cook County Building List by Portfolio

Corporate Facilities (CF)

Property ID	Property Name	Address	City	Zip Code	Primary Use	Dept/ Agency	Owned/ Leased	Year Built	GSF
CF.001.001	County Building	118 N. Clark St.	Chicago	60602	Public	Multiple	Owned/ Leased	1906	638,592
CF.002.001	George W. Dunne Admin. Building- Main	69 W. Washington St.	Chicago	60602	Admin	Multiple	Owned	1964	787,888
CF.002.002	George W. Dunne Admin. Building- Generator Building	69 W. Washington St.	Chicago	60602	Admin	Multiple	Owned	2002	896
CF.003.001	CCHD Maintenance Fac. Dist. 1 - Bldg. A	2325 N. Meacham Rd.	Schaumburg	60173	Garage	CCHD	Owned	1954	16,159
CF.003.002	CCHD Maintenance Fac. Dist. 1 - Bldg. B	2325 N. Meacham Rd.	Schaumburg	60173	Garage	CCHD	Owned	1986	24,350
CF.003.003	CCHD Maintenance Fac. Dist. 1 - Bldg. C	2325 N. Meacham Rd.	Schaumburg	60173	Garage	CCHD	Owned	1995	8,241
CF.003.004	CCHD Maintenance Fac. Dist. 1 - Bldg. D	2325 N. Meacham Rd.	Schaumburg	60173	Garage	CCHD	Owned	1988	7,818
CF.004.001	CCHD Maintenance Fac. Dist. 2 - Bldg. A	9801 Ballard Rd.	Des Plaines	60016	Garage	CCHD	Owned	2000	20,753
CF.004.002	CCHD Maintenance Fac. Dist. 2 - Bldg. B	9801 Ballard Rd.	Des Plaines	60016	Garage	CCHD	Owned	2000	18,688
CF.004.003	CCHD Maintenance Fac. Dist. 2 - Bldg. C	9801 Ballard Rd.	Des Plaines	60016	Garage	CCHD	Owned	1990	14,574
CF.004.004	CCHD Maintenance Fac. Dist. 2 - Bldg. D	9801 Ballard Rd.	Des Plaines	60016	Garage	CCHD	Owned	2000	7,896
CF.006.001	CCHD Maintenance Fac. Dist. 4 - Bldg. A	8900 W. 135th St.	Orland Park	60462	Garage	CCHD	Owned	1969	17,582
CF.006.002	CCHD Maintenance Fac. Dist. 4 - Bldg. B	8900 W. 135th St.	Orland Park	60462	Garage	CCHD	Owned	1975	4,000
CF.006.003	CCHD Maintenance Fac. Dist. 4 - Bldg. C	8900 W. 135th St.	Orland Park	60462	Garage	CCHD	Owned	1975	18,997
CF.006.004	CCHD Maintenance Fac. Dist. 4 - Bldg. D	8900 W. 135th St.	Orland Park	60462	Garage	CCHD	Owned	1984	7,708
CF.006.005	CCHD Maintenance Fac. Dist. 4 - Bldg. E	8900 W. 135th St.	Orland Park	60462	Garage	CCHD	Owned	2007	20,157
CF.007.001	CCHD Maintenance Fac. Dist. 5 - Bldg. A	13600 S. Ashland Ave.	Riverdale	60827	Garage	CCHD	Owned	2002	24,794
CF.007.002	CCHD Maintenance Fac. Dist. 5 - Bldg. B	13600 S. Ashland Ave.	Riverdale	60827	Garage	CCHD	Owned	1987	45,636
CF.007.003	CCHD Maintenance Fac. Dist. 5 - Bldg. C	13600 S. Ashland Ave.	Riverdale	60827	Garage	CCHD	Owned	2002	7,662
CF.008.001	Rockwell Warehouse	2323 S. Rockwell St.	Chicago	60608	Storage	Multiple	Owned	1979	447,418
CF.009.001	Hawthorne Warehouse	4545 W. Cermak Rd.	Chicago	60623	Storage	Multiple	Owned	1905	354,672
CF.010.001	Public Administrator Warehouse	7232 N. Western Ave.	Chicago	60645	Storage/ Public Service	Administrator	Leased		7,709
PS.096.001	Cicero Records Center	1330 S. 54th Avenue	Cicero	60804	Storage	Circuit Court	Owned	2009	260,725

Public Safety (PS)

Property ID	Property Name	Address	City	Zip Code	Primary Use	Dept/ Agency	Owned/ Leased	Year	GSF
PS.011.000	DOC Site	26th/S. California	Chicago	60608	Courts	Sheriff	Owned		
PS.011.001	Criminal Courts (26th/California)	2650 S. California Ave.	Chicago	60608	Courts	Circuit Court	Owned	1927	324,438
PS.011.002	Criminal Court Admin. Building	2650 S. California Ave.	Chicago	60608	Admin	Multiple	Owned	1978	472,493
PS.011.003	RTU-RCDC	2750 S. California Ave.	Chicago	60608	Detention		Owned	2013	283,401
PS.011.004	DOC Central Chiller Plant	3045 S. Sacramento Ave.	Chicago	60608	Utility	Multiple	Owned	1990	18,225
PS.011.005	DOC Cermak Hospital	2800 S. California Ave.	Chicago	60608	Medical	CCHHS	Owned	1998	161,590
PS.011.006	DOC Div. II, Dorm I	2809 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1958	54,484
PS.011.007	DOC Div. II, Dorm II	2807 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1955	54,741
PS.011.008	DOC Div. II, Dorm III	2805 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1955	54,717
PS.011.009	DOC Div. II, Dorm IV	2803 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1972	45,203
PS.011.010	DOC Division I	2602 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1929	344,268
PS.011.011	DOC Division III	2750 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1973	81,511
PS.011.012	DOC Division III Annex (RTU)	2811 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1985	78,023
PS.011.013	DOC Division IV	2649 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	122,362
PS.011.014	DOC Division IX	2834 W. 31st St.	Chicago	60608	Detention	Sheriff	Owned	1990	311,786
PS.011.015	DOC Division V	2708 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1978	364,560
PS.011.016	DOC Division VI	2901 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1978	264,238
PS.011.017	DOC Division VII-Div I Annex	2604 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1929	68,088
PS.011.018	DOC Division X	2950 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1991	211,562
PS.011.019	DOC Division XI	3015 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1995	630,380
PS.011.020	DOC Division XVII (Old Cermak Hospital)	2724 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1958	54,309
PS.011.021A	DOC Guard House A	2600 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	234
PS.011.021B	DOC Guard House B	2602 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	2,064
PS.011.021C	DOC Guard House C	2600 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	58
PS.011.021D	DOC Guard House D	2950 S. California Ave	Chicago	60608	Detention	Sheriff	Owned	1976	249
PS.011.021E	DOC Guard House E	3000 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	167
PS.011.021F	DOC Guard House F	3026 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1970	1,392
PS.011.021G	DOC Guard House G	2828 W. 31st Street	Chicago	60608	Detention	Sheriff	Owned	1976	410
PS.011.021H	DOC Guard House H	2901 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1956	156
PS.011.021I	DOC Guard House I	2801 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	234
PS.011.021J	DOC Guard House J	2717 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	234
PS.011.021K	DOC Guard House K	2950 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1999	375

Public Safety (PS)

Property ID	Property Name	Address	City	Zip Code	Primary Use	Dept/ Agency	Owned/ Leased	Year	GSF
PS.011.022A	DOC Guard Tower A	26th - Adjacent to Div. I Annex	Chicago	60608	Detention	Sheriff	Owned	1929	372
PS.011.022B	DOC Guard Tower B	2602 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1929	347
PS.011.022C	DOC Guard Tower C	Inside Campus	Chicago	60608	Detention	Sheriff	Owned	1991	272
PS.011.022D	DOC Guard Tower D	California - b/w Div. III & Div. X	Chicago	60608	Detention	Sheriff	Owned	1976	224
PS.011.022E	DOC Guard Tower E	Inside Campus - b/w Old RTU	Chicago	60608	Detention	Sheriff	Owned	1976	224
PS.011.022F	DOC Guard Tower F	2901 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	224
PS.011.022G	DOC Guard Tower G	2901 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1955	284
PS.011.022H	DOC Guard Tower H	Sacramento - adj. to Div. VI	Chicago	60608	Detention	Sheriff	Owned	1976	224
PS.011.022I	DOC Guard Tower I	2801 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	224
PS.011.022J	DOC Guard Tower J	2717 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1976	224
PS.011.022K	DOC Guard Tower K	Sacramento - Adj. to Div. I yard	Chicago	60608	Detention	Sheriff	Owned	1929	375
PS.011.022L	DOC Guard Tower L	Corner of Sacramento & 26th	Chicago	60608	Detention	Sheriff	Owned	1929	341
PS.011.022	DOC Guard Tower M	26th - NW corner of Div. I	Chicago	60608	Detention	Sheriff	Owned	1929	332
PS.011.022N	DOC Guard Tower N	3015 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1999	402
PS.011.022O	DOC Guard Tower O	3015 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1999	402
PS.011.022P	DOC Guard Tower P	3015 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1999	402
PS.011.022Q	DOC Guard Tower Q	3015 S. California Ave.	Chicago	60608		Sheriff	Owned	1999	402
PS.011.023	DOC Gym (Div. IV)	2649 S. Sacramento Ave	Chicago	60608	Detention	Sheriff	Owned	1976	31,292
PS.011.024	DOC Kitchen	2735 S. Sacramento Ave.	Chicago	60608	Detention	Sheriff	Owned	1994	95,904
PS.011.025A	DOC Powerhouse	3045 S. Sacramento Ave.	Chicago	60608	Utility	Sheriff	Owned	1957	22,622
PS.011.025B	DOC Powerhouse	3045 S. Sacramento Ave.	Chicago	60608	Utility	Sheriff	Owned	1992	3,716
PS.011.026	DOC South Campus Building 1	3026 S. California Ave.	Chicago	60608	Admin	Sheriff	Owned	1910	40,966
PS.011.027	DOC South Campus Building 2	3036 S. California Ave.	Chicago	60608	Admin	Sheriff	Owned	1910	89,011
PS.011.028	DOC South Campus Building 3	3026 S. California Ave.	Chicago	60608	Detention	Sheriff	Owned	1910	74,186
PS.011.029	DOC South Campus Building 4	2828 W. 31st St.	Chicago	60608	Detention	Sheriff	Owned	1910	49,346
PS.011.030	DOC South Campus Building 5	2840 W. 31st St.	Chicago	60608	Admin	Sheriff	Owned	1910	34,114
PS.011.031	Boot Camp Building #1	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	8,432
PS.011.032	Boot Camp Building #2	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	8,432
PS.011.033	Boot Camp Building #3	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	8,432
PS.011.034	Boot Camp Building #4	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	8,432
PS.011.035	Boot Camp Building #5	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	5,429
PS.011.036	Boot Camp Building #6	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	7,707

Public Safety (PS)

Property ID	Property Name	Address	City	Zip Code	Primary Use	Dept/ Agency	Owned / Leased	Year	GSF
PS.011.037	Boot Camp Building #7	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	10,400
PS.011.038	Boot Camp Building #8	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	6,814
PS.011.039	Boot Camp Building #9	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	6,267
PS.011.040	Boot Camp Building #10	2801 S. Rockwell St.	Chicago	60608	Detention	Sheriff	Owned	1996	1,847
PS.011.041	DOC Tunnels	2700 S. California Ave.	Chicago	60608	Utility	Sheriff	Owned	1955	45,600
PS.011.044	DOC Parking Structure	26th/California	Chicago	60608	Parking	Sheriff	Owned	1976	463,597
PS.013.001	Domestic Violence Courthouse	555 W. Harrison St.	Chicago	60607	Courts	Circuit Court	Owned		187,268
PS.014.001	Juvenile West (Courthouse)	1100 S. Hamilton Ave.	Chicago	60612	Courts	Circuit Court	Owned	1993	412,596
PS.015.001	Markham Courthouse (6 th Dist.)	16501 S. Kedzie Ave.	Markham	60428	Courts	Circuit Court	Owned	1977	317,652
PS.029.001	Jefferson Building	1401 Maybrook Dr.	Maywood	60153	Sheriff	Multiple	Owned	1965	47,254
PS.030.001	Sheriff Training Academy	1401 Maybrook Dr.	Maywood	60153	Police	Sheriff	Owned	1967	21,687
PS.031.001	Whitcomb Building	1311 Maybrook Dr.	Maywood	60153	Admin	Multiple	Owned	1965	23,217
PS.016.001	Maywood Courthouse (4 th Dist.)	1500 Maybrook Dr.	Maywood	60153	Courts	Circuit Court	Owned	1975	184,841
PS.017.001	Rolling Meadows Courthouse (3 rd District)	2121 Euclid Ave.	Rolling	60008	Courts	Circuit Court	Owned	1987	335,205
PS.017.002	Rolling Meadows Courthouse Parking Structure	2121 Euclid Ave.	Rolling	60008	Parking	Circuit Court	Owned	1987	554,767
PS.018.001	Skokie Courthouse (2 nd District)	5600 Old Orchard Rd.	Skokie	60077	Courts	Circuit Court	Owned	1980	345,743
PS.018.002	Skokie Courthouse (2 nd Dist.) Parking Structure	5600 Old Orchard Rd.	Skokie	60077	Parking	Circuit Court	Owned	2002	483,451
PS.022.001	Bridgeview Courthouse (5 th Dist.)	10220 S. 76 th Ave.	Bridgeview	60455	Courts	Circuit Court	Owned	1989	335,205
PS.028.001	Juvenile Temp. Detention Center	1100 S. Hamilton Ave.	Chicago	60612	Detention	Circuit Court	Owned	1974	611,255
PS.028.002	JTDC Parking Structure	1101 S. Hamilton Ave.	Chicago	60612	Parking	Circuit Court	Owned	1993	788,777
PS.096.001	Clerk of the Circuit Ct. Warehouse	1330 S. 54 th Avenue	Cicero	60804	Storage	Circuit Court	Owned	2009	260,725
CF.005.001	CCHD Maintenance Fac. Dist. 3 - Bldg. A	901 W. 26 th St.	LaGrange	60526	Garage	Sheriff	Owned	1950	24,469
CF.005.002	CCHD Maintenance Fac. Dist. 3 - Bldg. B	901 W. 26 th St.	LaGrange	60526	Garage	Sheriff	Owned	1950	19,823
CF.005.003	CCHD Maintenance Fac. Dist. 3 - Bldg. C	901 W. 26 th St.	LaGrange	60526	Garage	Sheriff	Owned	1985	2,031

Health & Hospitals (HH)

Property ID	Property Name	Address	City	Zip Code	Primary Use	Dept/ Agency	Owned / Leased	Year Built	GSF
HH.046.002	OFH Administration Building, Floors 1,2,3	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1910	16,454
HH.046.003	OFH Brick Storage	15900 S. Cicero Ave.	Oak Forest	60452	Storage	CCHHS	Owned	1910	793
HH.046.004	OFH Building A	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1910	26,906
HH.046.005	OFH Building B	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1910	115,891
HH.046.006	OFH Building C	15900 S. Cicero Ave.	Oak Forest	60452	Vacant	CCHHS	Owned	1910	114,413
HH.046.007	OFH Building D	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1910	25,382
HH.046.008	OFH Building E, New	15900 S. Cicero Ave.	Oak Forest	60452	Pharmacy	CCHHS	Owned	1991	121,153
HH.046.009	OFH Building E, Old	15900 S. Cicero Ave.	Oak Forest	60452	Storage	CCHHS	Owned	1910	29,620
HH.046.010	OFH Building F	15900 S. Cicero Ave.	Oak Forest	60452	Pharmacy	CCHHS	Owned	1910	60,326
HH.046.011	OFH Building H	15900 S. Cicero Ave.	Oak Forest	60452	Pharmacy	CCHHS	Owned	1910	64,940
HH.046.012	OFH Building J	15900 S. Cicero Ave.	Oak Forest	60452	Pharmacy	CCHHS	Owned	1958	79,845
HH.046.013	OFH Catholic Chapel & Offices	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1912	11,442
HH.046.016	OFH Comfort Station	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1912	1,064
HH.046.017	OFH Connecting Corridors (1st & 2nd Flr)	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1912	47,832
HH.046.019	OFH County Store	15900 S. Cicero Ave.	Oak Forest	60452	Vacant	CCHHS	Owned	1948	2,995
HH.046.020	OFH Dietary Building	15900 S. Cicero Ave.	Oak Forest	60452	Dietary	CCHHS	Owned	1910	19,776
HH.046.022	OFH Employee Annex	15900 S. Cicero Ave.	Oak Forest	60452	Public	CCHHS	Owned	1910	18,089
HH.046.023	OFH Employee Residence	15900 S. Cicero Ave.	Oak Forest	60452	Storage	CCHHS	Owned	1949	52,017
HH.046.024	OFH Generator Building B	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1980	426
HH.046.026	OFH Grounds Office	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1988	2,576
HH.046.027	OFH Halsted Street Pump House	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1940	1,021
HH.046.028	OFH Kitchen	15900 S. Cicero Ave.	Oak Forest	60452	Dietary	CCHHS	Owned	1912	20,375
HH.046.029	OFH Laboratory & Morgue	15900 S. Cicero Ave.	Oak Forest	60452	Medical	CCHHS	Owned	1954	9,373
HH.046.030	OFH Laundry	15900 S. Cicero Ave.	Oak Forest	60452	Storage	CCHHS	Owned	1915	21,105
HH.046.031	OFH Laundry Annex	15900 S. Cicero Ave.	Oak Forest	60452	Vacant	CCHHS	Owned	1912	6,892
HH.046.032	OFH Main Gate House	15900 S. Cicero Ave.	Oak Forest	60452	Public Service	CCHHS	Owned	1950	261
HH.046.033	OFH Main Pump House	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1980	2,099
HH.046.034	OFH Medical Residence	15900 S. Cicero Ave.	Oak Forest	60452	Vacant	CCHHS	Owned	1912	12,114
HH.046.035	OFH Medical Social Service	15900 S. Cicero Ave.	Oak Forest	60452	Public Service	CCHHS	Owned	1912	8,815
HH.046.036	OFH Paint Shop	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1947	4,745
HH.046.037	OFH Physical Plant Office	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1910	2,680

Health & Hospitals (HH)

Property ID	Property Name	Address	City	Zip Code	Primary Use	Dept/ Agency	Owned / Leased	Year	GSF
HH.046.038	OFH Powerhouse, New	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1980	20,448
HH.046.039	OFH Powerhouse, Old	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1908	37,056
HH.046.040	OFH Protestant Chapel & Offices	15900 S. Cicero Ave.	Oak Forest	60452	Vacant	CCHHS	Owned	1912	4,525
HH.046.041	OFH Public Aid Offices (F Annex)	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1912	7,836
HH.046.042	OFH Public Safety	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1912	2,051
HH.046.043	OFH Pump House, Old	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned		636
HH.046.044	OFH Quincy Building	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1912	15,034
HH.046.045	OFH Recreation Building	15900 S. Cicero Ave.	Oak Forest	60452	Public	CCHHS	Owned	1954	53,244
HH.046.048	OFH Skilled Trade Garage	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1950	1,675
HH.046.049	OFH Sneed Hall	15900 S. Cicero Ave.	Oak Forest	60452	Admin	CCHHS	Owned	1912	18,983
HH.046.050	OFH Store Room #21	15900 S. Cicero Ave.	Oak Forest	60452	Storage	CCHHS	Owned	1988	15,690
HH.046.051	OFH Store Room #23	15900 S. Cicero Ave.	Oak Forest	60452	Storage	CCHHS	Owned	1912	4,924
HH.046.052	OFH Stucco Office	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1950	3,310
HH.046.054	OFH Truck Barn & Salt Shed	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1950	2,922
HH.046.056	OFH Fire Dept. Garage	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1940	1,004
HH.046.057	OFH Hazmat Building	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1947	201
HH.046.058	OFH Public Health Vehicle Storage	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	2010	5,368
HH.046.060	OFH Generator Building C	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1980	399
HH.046.061	OFH Generator Building E - New	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1991	503
HH.046.062	OFH Generator Building F-J	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1980	379
HH.046.063	OFH Generator Building E - Old	15900 S. Cicero Ave.	Oak Forest	60452	Utility	CCHHS	Owned	1980	389
HH.047.001	John H. Stroger Jr. Hospital	1901 W. Harrison St.	Chicago	60612	Hospital	CCHHS	Owned	2002	1,217,341
HH.047.003	JHS Campus Power Plant	750 S. Winchester Ave.	Chicago	60612	Utility	CCHHS	Owned	2002	54,251
HH.047.004	John H. Stroger Jr. Parking Structure	1800 W. Polk St.	Chicago	60612	Parking	CCHHS	Owned	1998	423,000
HH.067.001	Fantus Health Center	621 S. Winchester Ave.	Chicago	60612	Clinic	CCHHS	Owned	1959	205,793
HH.049.001	CCHHS Administration Building	1900 W. Polk St.	Chicago	60612	Admin	CCHHS	Owned	1931	324,708
HH.048.001	Provident Hospital	500 E. 51st St.	Chicago	60615	Hospital	CCHHS	Owned	1981	341,042
HH.048.002	Provident Outpatient Pharmacy	430 E. 50th Pl.	Chicago	60615	Pharmacy	CCHHS	Owned	2005	6,577
HH.048.004	John Sengstacke Clinic (former)	450 E. 51st St.	Chicago	60615	Vacant	CCHHS	Owned	1950	32,953
HH.048.005	Provident Hospital Parking Structure	5010 South Forestville Ave.	Chicago	60615	Parking	CCHHS	Owned	1991	245,541

Health & Hospitals (HH)

Property ID	Property Name	Address	City	Zip Code	Primary Use	Dept./ Agency	Owned / Leased	Year	GSF
HH.051.001	Hektoen Building	627 W. Wood St.	Chicago	60612	Admin/Lab	CCHHS	Owned	1964	146,477
HH.052.001	Rob't J. Stein Institute of Forensic Med	2121 W. Harrison St.	Chicago	60612	Medical	Admin	Owned	1982	79,368
HH.054.001	Ruth M. Rothstein Core Center	2020 West Harrison St.	Chicago	60612	Clinic	CCHHS	Owned	1998	31,550
HH.063.001	Cottage Grove Health Center	1645 Cottage Grove Ave.	Ford Heights	60411	Clinic	CCHHS	Owned	2000	13,370
HH.065.001	Piszczek TB Clinic	7556 W. Jackson Blvd.	Forest Park	60130	Clinic	CCHHS	Owned	1957	19,352
HH.064.001	Des Plaines TB Clinic	9325 Church St.	Des Plaines	60016	Clinic	CCHHS	Owned	1991	2,489
HH.069.001	Logan Square Health Center	2840 W. Fullerton Ave.	Chicago	60647	Clinic	Public Health	Owned	1962	8,169
HH.066.001	Englewood Health Center	1135 W. 69th St.	Chicago	60621	Clinic	CCHHS	Owned	2000	10,770
HH.068.001	Harvey TB Clinic	15948 S. Halsted St.	Harvey	60426	Clinic	CCHHS	Owned	1962	2,723
HH.053.001	Robbins Health Center	13450 S. Kedzie Ave.	Robbins	60472	Clinic	ACHN	Owned	2000	14,306
HH.056.001	Cicero Health Center	5912 W. Cermak Rd.	Cicero	60804	Clinic	ACHN	Leased	1999	8,509
HH.058.001	Prieto Health Center	2424 S. Pulaski Rd.	Chicago	60623	Clinic	ACHN	Owned	---	16,972
HH.059.001	Near South Health Clinic	3525 S. Michigan Ave.	Chicago	60653	Clinic	ACHN	Leased	1994	11,394

Appendix D: Assumptions for Calculations

- **Energy:**

Source energy is used for all performance metrics in Cook County's portfolio for the 2017 Benchmarking Report. Source energy accounts for losses that are incurred in the storage, transport, and delivery of fuel to the building.

- **GHG Emissions:**

This report looks only at building greenhouse gas Scope 2 emissions from electricity and natural gas use. Greenhouse gas percentage values may differ from 2010 reduction goals to achieve the 80% reduction by 2050 as not all buildings are benchmarked and the baseline years differ. The first Benchmarking Report was issued in 2013 and additional facilities were phased in during subsequent years based on square footage brackets determined in the Benchmarking Ordinance. Therefore, benchmarking uses year to year comparisons for GHG emissions as the most accurate method.

- **Water:**

Water usage data was compared on a building by building basis to get a full year of data. As water billing happens at different frequencies rather than monthly, annual totals were calculated based on a full year coherent with the facility's billing cycle. Since this is only the second full year of water data, outlying values are in progress of being understood and for the time being are assumed to be different than expected due to billing differences, infrastructure leaks, etc.