

- 5.2.2 Define key system performance factors characterizing the baseline conditions
- Post retrofit measurements and commissioning efforts will confirm the accuracy of performance.
- 5.2.3 N/A
- 5.2.4 Baseline Data Collected
- Baseline Period: Toilets, urinals and faucets will be grouped according to pre-retrofit type and measured on a sampling basis. Gallons per flush and flow rates will be measured using County-approved equipment.
 - Sample size for each pre-retrofit and post-retrofit group will be 10% or a smaller amount if statistically valid per IMPV protocol. Every effort will be made to take at least this number of measurements. Sometimes it is not possible to isolate a fixture type and thus fewer measurements will be taken. Sometimes, no measurements are possible and the gallons per flush will be taken to be equal to the expected gallons per flush presented in this report.
 - The location of each measurement will be determined in agreement with County and CES personnel.
- 5.2.5 Data Analysis Performed
- Calculations and Adjustments
 - Baseline Period: Annual water usage baselines will be developed by applying the results of pre-retrofit measurements to the total fixture population. Annual water baselines will be developed by inserting the pre-measured gallons per flush and flow rates into the appropriate water usage calibrated model as defined by usage group.
 - Pre-retrofit measurement report. One report prepared within 45 days of completion of the pre-retrofit measurements. The report will include the names of the measurement team and any observers, the results of all measurements, any exceptions or anomalies associated with the measurements.

5.3 Energy Savings Calculations

- 5.3.1 The energy savings calculation has two main components: reduce water and sewer usage. There is also a minor component: thermal savings from reduced hot water usage. Thermal savings occur only at the Administration I building and the ACJC Detention Center.

- 5.3.2 An instantaneous measurement of pre-retrofit usage per flush and flow rate is representative of the system's usage at all times. The retrofits will remain installed for the duration of the guarantee term. Retrofits are homogeneous throughout the project's included facilities. The calculated annual usage per year is described in Section 4 of the Comprehensive Energy Analysis as follows:

General:

Domestic Water usage for each building was modeled using population figures, both staff and visitors, occupancy schedules, fixture usage rates as determined in the survey and average estimates of fixture usage. The model is then compared to the metered usage and reasonable adjustments to the model are made to reflect the metered usage. In general, the fixture rates were adjusted to bring the model rates safely below the metered rates. After matching the water model to the building use, various water conservation scenarios were applied to the model to analyze potential savings.

The water usage is determined by:

$$(\text{Number of People}) \times (\text{Fixture Rate}) \times (\text{Uses per Day}) \times (\text{Days Occupied per Year})$$

Visitor populations were also included. Visitation period was assumed to be for .5 hours for the Admin 1 A/D Works buildings and 2 hours for the Court Houses, the detention center and Altura Plaza, and then the population was normalized to an 8 hr day and added to the given population figure using the following formula:

$$(\text{Number of Hours Visitation}) \div (8 \text{ hours}) \times (\text{Visitors/Day}) = \text{Normalized Visitor Population}$$

Fixture use rates:

There were some adjustments made to the fixture rates to bring the modeled usage in line with the metered data. Some of the adjustments were downward (lower GPF). Some were adjusted upward; this is justified as long as all water is accounted for. Maladjusted flush valves and leaking tank valves can account for significant losses. Also, where there was a mix of fixtures, a weighted average was applied to the model, which also lowered the modeled fixture rate.

The following table illustrates the uses per day per person used in the models.

Uses per day	Inmates		Staff		Visitors		Units
	Male	Female	Male	Female	Male	Female	
Toilet	5	5	1	4	1	4	Flushes
Urinal	0	0	3	0	3	0	Flushes
Lav Faucet	1	1	0.5	0.5	0.5	0.5	Minutes
Shower (M F)		10	0	0	0	0	Minutes

*Based on: "A Water Conservation Guide for Commercial Institutional and Industrial Users", Water Use and Conservation Bureau, New Mexico Office of the State Engineer.

Schedules are considered only to the extent that the days that the buildings are open and the building are populated.

Schedules:

The number of days used for the savings calculations are to only include the days that the buildings are open and the building is populated. The number of days used for the savings calculations was calculated in the following manner:

All Buildings Except Detention Center:

Work Days (52 wks/yr x 5 days/wk) – Holidays (13 days) – Vacation Days (21 days) = 226 Days

Detention Center:

365 days/year.

	Office (staff and visitors)	Detention Center
Work days	250	365
Holidays	-10	0
Vacation	-14	0
Total	226	365

Population assumptions are listed below:

	Population (1)	Visitors / day (2)	Quantity of toilets
Administration #1	358	1000*	44
Arapahoe Plaza (A/D works)	60	100	11
Arapahoe Plaza (Human Services)	90	500	19
Arapahoe Plaza (County Court)	30	500	19
CSU Extension Office	16	0 (3)	4
CSU Ware House	0		1
Federal Blvd Warehouse	15	15	10
Tri County Health	NA	NA	8
Administration #2	250	100	32
ACJC District Court	109	1500	79
P.J. Sullivan Detention Center	195	163	71
P.J. Sullivan Detention Center (Comby)	1215	0	413
County Shops:	35	0	6
Altura Plaza	145	1600	55
Total			772

- (1) Population figures are as given by the Maintenance Staff.
- (2) Visitor figures as per Arapahoe County Staff.
- (3) There are no public bathroom facilities.

- 5.3.3 Annual Cost Savings: Annual water cost savings will be determined by multiplying the water unit by the contractual base water and sewer rates as detailed in the Agreement. The following is an example for the Administration I Facility:

Total Annual Savings (kgals): 669.410

Rate (Section 2.2.1): \$5.36

Total Savings: $669.41 \times 5.36 = \$3,588.04$

- 5.3.4 Annual natural gas cost savings at the Detention Center: Since Option C will be used to determine water savings in this facility the calculated water savings for the lavatory measure shall be used to determine water savings. Annual gas cost savings will be determined by multiplying the gas unit savings by the contractual gas rate as detailed in the agreement. The natural gas unit savings shall be determined by using the following equation:

S = Total Calculated Savings (Detention equals 243,643 gallons)

HWF = Hot water Fraction

DHWS = Domestic Hot Water Supply Temperature in degrees F

ST = Domestic water cold water delivery Temperature in degrees F

T = Tap temperature in degrees F

HWU = Hot water Usage

$$\text{HWF} = (T - \text{ST}) / (\text{DHWS} - \text{ST}) = (105 - 54) / (130 - 54) = 67\%$$

$$\text{HWU} = S \times \text{HWF} \text{ or } 296,839 \times 67\% = 198,882 \text{ gallons}$$

$$\text{Convert gallons to Therms} = \text{HWU} \times 8.33 \times (\text{DHWS} - \text{ST}) / 100,000 = 1,261$$

5.4 Operational & Maintenance Cost Savings

- No O&M savings were predicted for this retrofit

5.5 Total Annual Measured Savings For ECM

01 - Administration								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	211,594	0	537	0	5,080	0	129,964	55,784
Feb	194,140	0	521	0	4,650	0	115,628	55,784
Mar	229,168	0	566	0	3,950	0	266,561	55,784
Apr	227,016	0	578	0	3,550	0	352,443	55,784
May	246,029	0	568	0	2,140	0	699,329	55,784
Jun	256,849	0	589	0	1,740	0	789,762	55,784
Jul	284,832	0	601	0	1,010	0	878,157	55,784
Aug	271,611	0	601	0	1,390	0	954,706	55,784
Sep	241,245	0	564	0	2,220	0	655,211	55,784
Oct	230,168	0	576	0	4,110	0	524,794	55,784
Nov	220,561	0	561	0	4,850	0	214,553	55,784
Dec	211,947	0	542	0	4,870	0	120,761	55,784
Totals	2,825,160	0	6,804	0	39,560	0	5,701,869	669,410

12 - Arapahoe Plaza East								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	33,024	0	78	0.0	0	0	33,275	9,909
Feb	28,866	0	79	0.0	0	0	33,915	9,909
Mar	33,384	0	80	0.0	0	0	49,501	9,909
Apr	28,336	0	80	0.0	0	0	56,000	9,909
May	28,416	0	71	0.0	0	0	63,073	9,909
Jun	28,020	0	76	0.0	0	0	63,810	9,909
Jul	29,354	0	74	0.0	0	0	76,159	9,909
Aug	31,700	0	75	0.0	0	0	83,542	9,909
Sep	29,611	0	76	0.0	0	0	57,797	9,909
Oct	30,668	0	77	0.0	0	0	47,814	9,909
Nov	27,862	0	74	0.0	0	0	39,065	9,909
Dec	31,304	0	77	0.0	0	0	29,149	9,909
Totals	360,545	0	917	0.0	0	0	633,100	118,904

13 - Arapahoe Plaza Human Services

Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	56,825	0	153	0.0	6,316	0	66,669	23,262
Feb	53,311	0	153	0.0	5,567	0	67,107	23,262
Mar	57,360	0	154	0.0	5,364	0	69,682	23,262
Apr	55,422	0	154	0.0	3,074	0	64,598	23,262
May	57,204	0	154	0.0	2,324	0	57,155	23,262
Jun	69,488	0	142	0.0	1,054	0	50,238	23,262
Jul	102,970	0	230	0.0	605	0	51,973	23,262
Aug	83,302	0	200	0.0	873	0	46,829	23,262
Sep	80,601	0	200	0.0	1,523	0	54,752	23,262
Oct	83,325	0	200	0.0	4,029	0	62,046	23,262
Nov	73,482	0	192	0.0	6,131	0	73,987	23,262
Dec	56,864	0	153	0.0	6,336	0	82,590	23,262
Totals	830,154	0	2,085	0.0	43,196	0	747,626	279,145

14 - Arapahoe Plaza County Court

Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	34,674	0	70	0.0	0	0	88,900	25,422
Feb	32,763	0	72	0.0	0	0	101,914	25,422
Mar	36,092	0	71	0.0	0	0	94,652	25,422
Apr	32,596	0	72	0.0	0	0	79,483	25,422
May	32,167	0	68	0.0	0	0	96,804	25,422
Jun	32,748	0	68	0.0	0	0	94,524	25,422
Jul	34,057	0	67	0.0	0	0	67,931	25,422
Aug	34,661	0	67	0.0	0	0	69,619	25,422
Sep	32,809	0	67	0.0	0	0	66,839	25,422
Oct	33,233	0	69	0.0	0	0	68,736	25,422
Nov	32,757	0	63	0.0	0	0	75,455	25,422
Dec	34,647	0	67	0.0	0	0	77,038	25,422
Totals	403,204	0	821	0.0	0	0	981,895	305,067

15 - Federal Warehouse								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	37,689	0	112	0.0	2,680	0	3,993	1,545
Feb	35,256	0	106	0.0	2,510	0	3,375	1,545
Mar	38,450	0	105	0.0	1,690	0	27,075	1,545
Apr	39,504	0	135	0.0	730	0	42,253	1,545
May	43,549	0	141	0.0	230	0	90,865	1,545
Jun	50,500	0	152	0.0	40	0	101,429	1,545
Jul	64,726	0	172	0.0	10	0	105,545	1,545
Aug	57,394	0	158	0.0	0	0	104,617	1,545
Sep	44,586	0	144	0.0	80	0	67,602	1,545
Oct	43,687	0	119	0.0	560	0	50,570	1,545
Nov	36,400	0	95	0.0	2,150	0	14,536	1,545
Dec	35,914	0	98	0.0	2,890	0	3,702	1,545
Totals	527,655	0	1,537	0	13,570	0	615,562	18,540

23 - Altura Plaza								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	121,594	0	272	0.0	18,160	0	231,312	42,948
Feb	103,244	0	272	0.0	11,670	0	188,690	42,948
Mar	112,618	0	228	0.0	5,160	0	157,555	42,948
Apr	112,883	0	276	0.0	5,010	0	247,231	42,948
May	120,411	0	288	0.0	4,150	0	322,300	42,948
Jun	122,653	0	324	0.0	3,700	0	347,233	42,948
Jul	139,482	0	344	0.0	4,530	0	387,367	42,948
Aug	138,135	0	312	0.0	6,300	0	459,150	42,948
Sep	126,767	0	308	0.0	7,530	0	414,267	42,948
Oct	120,855	0	320	0.0	14,900	0	361,683	42,948
Nov	119,468	0	320	0.0	18,330	0	318,155	42,948
Dec	126,428	0	272	0.0	13,010	0	196,791	42,948
Totals	1,464,538	0	3,536	0	112,450	0	3,631,734	515,380

24 - Centrepointhe

Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	260,048	0	643	0.0	340	0	116,409	33,075
Feb	401,078	0	610	0.0	260	0	121,020	33,075
Mar	261,719	0	579	0.0	230	0	127,429	33,075
Apr	215,531	0	578	0.0	150	0	217,067	33,075
May	211,119	0	537	0.0	160	0	450,652	33,075
Jun	203,988	0	644	0.0	120	0	608,281	33,075
Jul	223,833	0	599	0.0	130	0	767,500	33,075
Aug	219,062	0	627	0.0	160	0	847,328	33,075
Sep	203,212	0	552	0.0	220	0	677,306	33,075
Oct	224,160	0	537	0.0	380	0	354,273	33,075
Nov	230,257	0	590	0.0	160	0	156,870	33,075
Dec	256,230	0	654	0.0	170	0	114,772	33,075
Totals	2,910,237	0	7,150	0	2,480	0	4,558,907	396,900

29 - Peoria Shops

Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	31,395	0	71	0.0	538	1,681	99,923	4,971
Feb	30,020	0	73	0.0	527	1,681	147,319	4,971
Mar	29,589	0	68	0.0	395	840	187,883	4,971
Apr	25,210	0	64	0.0	204	1,260	181,875	4,971
May	25,120	0	60	0.0	109	0	128,820	4,971
Jun	25,790	0	56	0.0	20	0	123,600	4,971
Jul	26,147	0	59	0.0	10	0	137,541	4,971
Aug	25,917	0	62	0.0	5	0	206,059	4,971
Sep	23,967	0	61	0.0	60	0	135,714	4,971
Oct	26,448	0	65	0.0	206	840	200,571	4,971
Nov	29,101	0	64	0.0	458	840	133,714	4,971
Dec	30,367	0	66	0.0	634	1,260	168,000	4,971
Totals	329,071	0	769	0	3,166	0	1,851,019	59,656

37 - ACJC Administration II								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	153,391	0	375	0.0	3,292	0	50,667	18,378
Feb	131,596	0	374	0.0	2,623	0	62,424	18,378
Mar	148,392	0	367	0.0	2,661	0	67,807	18,378
Apr	165,731	0	371	0.0	1,611	0	74,499	18,378
May	180,679	0	366	0.0	1,342	0	52,803	18,378
Jun	190,243	0	424	0.0	773	0	64,498	18,378
Jul	208,851	0	427	0.0	650	0	56,908	18,378
Aug	205,531	0	419	0.0	841	0	62,375	18,378
Sep	186,209	0	435	0.0	897	0	58,965	18,378
Oct	169,193	0	405	0.0	977	0	60,856	18,378
Nov	151,009	0	403	0.0	2,320	0	61,749	18,378
Dec	153,405	0	391	0.0	3,238	0	52,392	18,378
Totals	2,044,230	0	4,757	0	21,225	0	725,943	220,533

38 - Sheriff/Coroner Facility								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	233,435	0	0	0.0	2,160	0	93,314	15,000
Feb	215,005	0	0	0.0	2,260	0	121,580	15,000
Mar	215,985	0	0	0.0	1,430	0	97,456	15,000
Apr	199,959	0	0	0.0	1,370	0	131,250	15,000
May	202,483	0	0	0.0	770	0	500,091	15,000
Jun	194,728	0	0	0.0	630	0	557,777	15,000
Jul	204,941	0	0	0.0	760	0	631,966	15,000
Aug	203,837	0	0	0.0	420	0	590,513	15,000
Sep	191,454	0	0	0.0	460	0	470,063	15,000
Oct	190,813	0	0	0.0	780	0	279,428	15,000
Nov	185,731	0	0	0.0	1,720	0	116,476	15,000
Dec	238,052	0	0	0.0	2,630	0	89,700	15,000
Totals	2,476,423	0	0	0	15,390	0	3,679,614	180,000

5.6 Post-Installation Verification Activities

Chevron ES will supply a one-time report to the County detailing the measurements and calculation of savings. If the calculated savings fall short of those expected, Chevron ES will have the opportunity to remedy the short fall and re-measure and calculate the results. Such work will be done at Chevron ES' expense and shall not be unreasonably denied by the County, as long as such work does not interfere with the County's use of the Facilities. These calculated savings will be defined as Energy Unit Savings and will be agreed to occur each year of the Contract.

5.6.1 Variables Affecting Post-installation Energy Use

- The impact of weather, operating hours, and set points will not affect the accuracy of savings measurement since actual water consumption will be measured at the source.

5.6.2 Define key system performance factors characterizing the post-installation conditions

- Post retrofit measurements and commissioning efforts will confirm the accuracy of performance.

5.6.3 See 4.6.2

5.6.4 N/A

5.6.5 Post-Installation Data To Be Collected

- Schedule: Pre-retrofit measurements will be performed before retrofits are completed. Post measurements will be completed after the retrofits are completed.
- Post-installation Period:
 - Post-retrofit fixtures will be grouped according to post-retrofit type and measured on a sampling basis. Gallons per flush and flow rates will be measured using the approved apparatus described above.
 - Sample size will consist of 10% of population or a statistically valid quantity per the latest version of the IPMVP, whichever is less.
 - Annual post-retrofit water consumption will be developed by applying the results of post-retrofit measurements to the total post-retrofit fixture population. Annual water consumption will be developed by inserting the post-retrofit gallons per flush values into the appropriate water usage calibrated models. Copies of these models can be found in the Comprehensive Energy Analysis.
 - Post-retrofit water consumption will be subtracted from the baseline water consumption to determine the water unit savings.
 - As-built documentation provided by Chevron's construction team will document the description and location of all retrofits. As-built documentation will be provided as detailed in the Agreement.
 - Post-retrofit report will be completed within 60 days of the post-retrofit measurements. This report will detail the measurements taken and the savings calculated from all of the measurements.

5.6.6 Described above.

5.7 Periodic / Interval Verification Activities

- N/A

6. ECM 3 – Upgrade/Expand DDC Controls

6.1 Overview of ECM and M&V plan for ECM

This M&V plan applies to the Arapahoe Plaza East Building and the Arapahoe Plaza West Building. The ACJC Detention Center has no savings associated with this ECM and thus is not included. The two buildings covered by this plan receive heating and cooling from the Arapahoe Human Services Building, thus the only savings measure by this plan is the fan energy consumption. No demand savings are claimed for this ECM, just kwh savings.

- 6.1.1 This ECM investigates installing an Energy Management Control System (EMCS) to control the heating, ventilation, and air conditioning (HVAC) equipment at the two buildings specified above.

Option A Method will be used to measure and verify the fan electricity savings from this retrofit. This method requires stipulating the baseline operating schedules of the existing mechanical systems. The post-retrofit operating schedules will be measured to verify savings. The existing average fan energy consumption will be measured as well as the post-retrofit fan energy consumption. The performance of the system will be verified by viewing trend logs of the mechanical systems.

- 6.1.2 The intent of this measurement plan is to quantify the electrical savings associated with upgrading or expanding direct digital controls.

6.2 Energy Baseline Development

Baselines will be developed by measuring motor kW at various load points and from the existing hours of operation which are stipulated in the Standards of Control.

- 6.2.1 Variables Affecting Baseline Energy Use
- Many variables such as weather, operating hours, and set point changes impact equipment consumption.
 - The variable with the biggest impact is weather. To account for this variable, heating degree days will be logged during the baseline period and also during the energy savings verification period. The heating degree days will be used as a baseline adjustment to facilitate an accurate verification of savings.
 - The reliability of the EMS to store data needed for calculations is at times not reliable. For time periods in which data is not available from the EMS, the savings shall be derived from the performance of the system to date during similar weather conditions. If there is insufficient system performance data, the savings shall be stipulated.
 - The impact of operating hours will be measured via measuring post-retrofit actual run times.

- The method in which the systems are operated is an important variable. The facilities staff is responsible for operating and maintaining the systems. If the systems are not operated or maintained properly, energy consumption will increase. Therefore, if it is determined that any part of the systems are not being operated properly during the savings verification period, the savings being derived from the part of the system that is not being operated properly shall be stipulated for the time period of improper operation.
- 6.2.2 Define key system performance factors characterizing the baseline conditions
 - Post retrofit measurements and commissioning efforts will confirm the accuracy of performance.
- 6.2.3 N/A
- 6.2.4 Baseline Data Collected
 - Reduction in Motor Run Times:
 - Baseline Period: Motor power draw will be measured using an RMS wattmeter at various load points. The motor load will be logged for a one-month period to correlate motor load to outside air temperature. Motor run times shall be as shown in the Standards of Comfort as shown in the CEA. Motor load during the post-retrofit period will be measured over a 3 month period to correlate motor load to outside air temperature. The motor load correlation to outside air temperature will be used to derive an annual average consumption.
 - Metering Plan: The indicated wattmeter will be used to measure motor kW on an instantaneous basis at various loads.
- 6.2.5 Data Analysis Performed
 - Reduction in Motor Run Times:
 - Calculations and Adjustments
 - Actual motor run times will be logged over a 3 month period. The measured run times will be compared to the baseline period run times to determine savings.

6.3 Energy Savings Calculations

- 6.3.1 The energy savings calculation has one component: reduce electricity usage, not demand.
The following is an example energy savings calculation for the Arapahoe Plaza East Facility as used in the energy audit:

Total Annual Savings (kWh): 76,871
Rate (Section 2.2.1): \$.05869
Total Savings: 76,871 x .05869 = \$4,511.56

6.3.2 The controls retrofits will remain installed for the duration of the guarantee term. Retrofits are homogeneous throughout the project's included facilities.

6.3.3 Annual Cost Savings:

- Reduction in Motor Run Times:
The kWh savings shall be calculated by:

$KWh \text{ savings} = (ABKW \times BSH) - (APKW \times PRH)$, where

ABKW = Average baseline period KW, as measured during the baseline period.

BSH = Baseline annual hours of operation, as stipulated in the Standards of Control

APKW = Average post-retrofit KW, as measured during the post-retrofit period.

PRH = Post retrofit annual hours as measured by the EMS.

6.4 Operational & Maintenance Cost Savings

- No O&M savings were predicted for this retrofit

6.5 Total Annual Measured Savings for ECM

12 - Arapahoe Plaza East								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	33,024	6,406	78	0.4	0	456	33,275	0
Feb	28,866	6,406	79	0.4	0	456	33,915	0
Mar	33,384	6,406	80	0.4	0	228	49,501	0
Apr	28,336	6,406	80	0.4	0	342	56,000	0
May	28,416	6,406	71	0.4	0	0	63,073	0
Jun	28,020	6,406	76	0.4	0	0	63,810	0
Jul	29,354	6,406	74	0.4	0	0	76,159	0
Aug	31,700	6,406	75	0.4	0	0	83,542	0
Sep	29,611	6,406	76	0.4	0	0	57,797	0
Oct	30,668	6,406	77	0.4	0	228	47,814	0
Nov	27,862	6,406	74	0.4	0	228	39,065	0
Dec	31,304	6,406	77	0.4	0	342	29,149	0
Totals	360,545	76,871	917	0.0	0	2,279	633,100	0

14 - Arapahoe Plaza County Court								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	34,674	5,940	70	0.0	0	1,015	88,900	0
Feb	32,763	5,940	72	0.0	0	1,015	101,914	0
Mar	36,092	5,940	71	0.0	0	508	94,652	0
Apr	32,596	5,940	72	0.0	0	761	79,483	0
May	32,167	5,940	68	0.0	0	0	96,804	0
Jun	32,748	5,940	68	0.0	0	0	94,524	0
Jul	34,057	5,940	67	0.0	0	0	67,931	0
Aug	34,661	5,940	67	0.0	0	0	69,619	0
Sep	32,809	5,940	67	0.0	0	0	66,839	0
Oct	33,233	5,940	69	0.0	0	508	68,736	0
Nov	32,757	5,940	63	0.0	0	508	75,455	0
Dec	34,647	5,940	67	0.0	0	761	77,038	0
Totals	403,204	71,285	821	0.0	0	5,076	981,895	0

6.6 Post-Installation Verification Activities

Chevron ES will supply a one-time report to the County detailing the measurements and calculation of savings. If the calculated savings fall short of those expected, Chevron ES will have the opportunity to remedy the short fall and re-measure and calculate the results. Such work will be done at Chevron ES' expense and shall not be unreasonably denied by the County, as long as such work does not interfere with the County's use of the Facilities. These calculated savings will be defined as Energy Unit Savings and will be agreed to occur each year of the Contract.

6.6.1 Variables Affecting Post-installation Energy Use

- Same as described above for the pre-installation period.

6.6.2 Define key system performance factors characterizing the post-installation conditions

- Post retrofit measurements and commissioning efforts will confirm the accuracy of performance.

6.6.3 N/A

6.6.4 N/A

6.6.5 Post-Installation Data To Be Collected

This is described above.

6.6.6 Data analysis to be performed and minimum acceptance requirements.

This is described above.

6.7 Periodic / Interval Verification Activities

- N/A

7. ECM 6 – Replace the Existing Boilers

7.1 Overview of ECM and M&V plan for ECM

The ACJC Detention Center currently utilizes very untreated water. This water is fed into the boiler system and leads to scaled-up and inefficient boilers. This ECM involves replacing the existing boilers with new boilers.

The existing boilers have been proven to operate at a very low efficiency, with stack temperatures over 500 degrees F. Given the 24 hour operation of this facility, the savings associated with this ECM will be achieved purely by improved boiler efficiency. The guaranteed savings are 8.1% of the baseline.

Based on the situation of the building, all parties agree that the savings calculations are conservative. The calculations are located in Volume 2 of the Comprehensive Energy Analysis. The M&V plan shall consist of confirming that the new boilers operate at the modeled combustion efficiency of at least 80%. Upon confirmation that the new plant is operating at least this efficiency, the savings will be considered as having been met.

If the system does not prove to be operating at 80% combustion efficiency, the guarantee will be considered to not have been met.

36 - ACJC Detention Center								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	453,980	0	728	0.0	31,370	4,457	2,756,486	0
Feb	411,708	0	731	0.0	27,300	2,815	4,021,000	0
Mar	464,851	0	747	0.0	28,060	1,877	4,314,714	0
Apr	449,165	0	779	0.0	24,710	938	4,984,286	0
May	468,214	0	833	0.0	19,640	469	3,368,529	0
Jun	466,091	0	888	0.0	17,680	235	4,151,471	0
Jul	503,173	0	906	0.0	13,590	469	4,564,677	0
Aug	513,825	0	857	0.0	13,270	469	4,210,161	0
Sep	468,494	0	874	0.0	16,670	1,173	5,095,161	0
Oct	462,990	0	769	0.0	24,690	2,346	4,572,727	0
Nov	433,440	0	757	0.0	29,110	3,519	3,977,273	0
Dec	422,045	0	726	0.0	32,890	4,692	3,475,000	0
Totals	5,517,976	0	9,595	0	278,980	23,459	49,491,485	0

7.2 Savings Calculation:

The following is an example for the Detention Facility:

Total Annual Savings (therms): 23,459

Rate (Section 2.2.1): \$.63481

Total Savings: $23,459 \times .63481 = \$14,892.01$

8. ECM 18 – Install Water Reclaim System

8.1 Overview of ECM and M&V plan for ECM

This ECM involves recycling some of the water used for vehicle washing at the Peoria Shops.

- 8.1.1 This ECM involves installing an underground water storage tank after the filters installed on the drain of the truck washing station. The salvaged water will be used for heavy washing. City water will continue to be used for final washing.

Option A Method will be used to measure and verify the water and sewer savings from this retrofit. The nominal amount of increased electricity usage shall be calculated as shown in the Comprehensive Energy Analysis.

- 8.1.2 The intent of this measurement plan is to quantify the water and sewer savings associated with recycling some of the existing water used for washing vehicles.

8.2 Energy Baseline Development

The energy savings calculations shown in the CEA are accepted as the baseline.

- 8.2.1 Variables Affecting Baseline Energy Use
- The main variable effecting water use is the quantity of vehicles washed per month and the length of each wash.
- 8.2.2 Define key system performance factors characterizing the baseline conditions
- Post retrofit measurements and commissioning efforts will confirm the accuracy of performance.
- 8.2.3 N/A
- 8.2.4 Baseline Data Collected
- Baseline Period: The water model, as shown in the Comprehensive Energy Analysis, is accepted as the baseline condition.
 - Metering Plan: A standard water meter will be installed on the new tank to measure the actual amount of water being recycled. It will be read manually.
- 8.2.5 Data Analysis Performed
- Calculations and Adjustments

- No calculations will be performed. Metered recycled water will be compared to the projected value monthly.

8.3 Energy Savings Calculations

8.3.1 Annual Cost Savings:

Each month, the projected volume of recycled water will be subtracted from the metered actual recycled water volume. The following is an example for this ECM:

Total Annual Savings (kgals): 576
 Rate (Section 2.2.1): \$13.07
 Total Savings: $576 \times 13.07 = \$7,528.32$

There will be a slight increase in electrical usage due to a small sump pump. These savings will be stipulated (\$1,277).

8.4 Operational & Maintenance Cost Savings

- No O&M savings were predicted for this retrofit

8.5 Total Annual Measured Savings for ECM

29 - Peoria Shops								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	31,395	-233	71	-0.6	5,380	0	99,923	48,000
Feb	30,020	-233	73	-0.6	5,270	0	147,319	48,000
Mar	29,589	-233	68	-0.6	3,950	0	187,883	48,000
Apr	25,210	-233	64	-0.6	2,040	0	181,875	48,000
May	25,120	-233	60	-0.6	1,090	0	128,820	48,000
Jun	25,790	-233	56	-0.6	200	0	123,600	48,000
Jul	26,147	-233	59	-0.6	100	0	137,541	48,000
Aug	25,917	-233	62	-0.6	50	0	206,059	48,000
Sep	23,967	-233	61	-0.6	600	0	135,714	48,000
Oct	26,448	-233	65	-0.6	2,060	0	200,571	48,000
Nov	29,101	-233	64	-0.6	4,580	0	133,714	48,000
Dec	30,367	-233	66	-0.6	6,340	0	168,000	48,000
Totals	329,071	-2,793	769	-7	31,660	0	1,851,019	576,000

8.6 Post-Installation Verification Activities

Chevron ES will supply a one-time report to the County detailing the measurements and calculation of savings. If the calculated savings fall short of those expected, Chevron ES will

have the opportunity to remedy the short fall and re-measure and calculate the results. Such work will be done at Chevron ES' expense and shall not be unreasonably denied by the County, as long as such work does not interfere with the County's use of the Facilities. These calculated savings will be defined as Energy Unit Savings and will be agreed to occur each year of the Contract.

8.6.1 Variables Affecting Post-installation Energy Use

- Same as described above for the pre-installation period.

8.6.2 Define key system performance factors characterizing the post-installation conditions

- Post retrofit measurements and commissioning efforts will confirm the accuracy of performance.

8.6.3 N/A

8.6.4 N/A

8.6.5 Post-Installation Data To Be Collected

This is described above.

8.6.6 Data analysis to be performed and minimum acceptance requirements.

This is described above.

8.7 Periodic / Interval Verification Activities

- N/A

9. Calculated Energy Conservation Measures

9.1 Overview of ECM and M&V plan for ECM

- 9.1.1 This plan investigates using calculations for energy savings guarantees. Descriptions of calculations and their validity used in lieu of field measurements or baseline comparisons are outlined below. Actual savings calculations can be found in Volume II of the Energy Audit.

Calculated savings are used where the cost/benefit ratio of savings guaranteed to the difficulty or time consumption to prove savings is high. Typically the savings from these ECMs are small and is obvious to all parties that savings will be achieved. All parties agree the savings calculations are conservative. Given the amount of cost it would take to confirm the small amount of savings, all parties agree to accept the savings calculation shown in the CEA upon confirmation that each measure has been properly installed.

9.2 Energy Baseline Development

N/A

9.3 Energy Savings Calculations

- 9.3.1 The energy savings calculation has the following components: reduce electricity, natural gas, and water usage.

9.3.2 N/A

9.3.3 Annual Cost Savings:

Operational & Maintenance Cost Savings

- No O&M savings were predicted for these retrofits

9.4 Total Annual Measured Savings for ECM

- 3.4.1 The following sections outline each individual facility per ECM.

Administration I

ECM 16 – Irrigation Control System Upgrade

Irrigation savings are calculated using spreadsheet analysis. Calculations can be found in Volume II of the Energy Audit.

01 - Administration								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	211,594	0	537	0	5,080	0	129,964	0
Feb	194,140	0	521	0	4,650	0	115,628	0
Mar	229,168	0	566	0	3,950	0	266,561	6,346
Apr	227,016	0	578	0	3,550	0	352,443	12,691
May	246,029	0	568	0	2,140	0	699,329	19,037
Jun	256,849	0	589	0	1,740	0	789,762	25,382
Jul	284,832	0	601	0	1,010	0	878,157	38,073
Aug	271,611	0	601	0	1,390	0	954,706	12,691
Sep	241,245	0	564	0	2,220	0	655,211	12,691
Oct	230,168	0	576	0	4,110	0	524,794	0
Nov	220,561	0	561	0	4,850	0	214,553	0
Dec	211,947	0	542	0	4,870	0	120,761	0
Totals	2,825,160	0	6,804	0	39,560	0	5,701,869	126,911

The following is an example for this ECM:

Total Annual Savings (kgals): 126.9

Rate (Section 2.2.1): \$5.36

Total Savings: $126.9 \times 5.36 = \$680.18$

Arapahoe Plaza East

ECM 23 – ERCM

ERCM savings is calculated on a square foot basis encompassing all buildings within the scope. Savings calculations can be found in Volume II of the Energy Audit.

12 - Arapahoe Plaza East								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	33,024	283	78	0.0	0	7	33,275	0.0
Feb	28,866	283	79	0.0	0	7	33,915	0.0
Mar	33,384	283	80	0.0	0	7	49,501	0.0
Apr	28,336	283	80	0.0	0	7	56,000	0.0
May	28,416	283	71	0.0	0	7	63,073	0.0
Jun	28,020	283	76	0.0	0	7	63,810	0.0
Jul	29,354	283	74	0.0	0	7	76,159	0.0
Aug	31,700	283	75	0.0	0	7	83,542	0.0
Sep	29,611	283	76	0.0	0	7	57,797	0.0
Oct	30,668	283	77	0.0	0	7	47,814	0.0
Nov	27,862	283	74	0.0	0	7	39,065	0.0
Dec	31,304	283	77	0.0	0	7	29,149	0.0
Totals	360,545	3,398	917	0.0	0	89	633,100	0

The following is an example for this ECM:

Total Annual Savings (kWh): 8,865

Total Annual Savings (therms): 231

Rate (Section 2.2.1): \$0.05869/kWh \$0.63841/therm

Total Savings: $(8,865 \times .05869) + (231 \times 0.63841) = \667.76

Arapahoe Human Services

ECM 21 – Change Natural Gas Provider

These savings are purely monetary with no energy unit savings therefore the baseline for this ECM shall remain unchanged.

13 - Arapahoe Plaza Human Services								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	56,825	0	153	0	6,316	0	66,669	0
Feb	53,311	0	153	0	5,567	0	67,107	0
Mar	57,360	0	154	0	5,364	0	69,682	0
Apr	55,422	0	154	0	3,074	0	64,598	0
May	57,204	0	154	0	2,324	0	57,155	0
Jun	69,488	0	142	0	1,054	0	50,238	0
Jul	102,970	0	230	0	605	0	51,973	0
Aug	83,302	0	200	0	873	0	46,829	0
Sep	80,601	0	200	0	1,523	0	54,752	0
Oct	83,325	0	200	0	4,029	0	62,046	0
Nov	73,482	0	192	0	6,131	0	73,987	0
Dec	56,864	0	153	0	6,336	0	82,590	0
Totals	830,154	0	2,085	0.0	43,196	0	747,626	0

The savings for this ECM result from using a cheaper gas rate. The current natural gas utility provider, Xcel Energy, at Building 13-Arapahoe Human Services charges \$0.74946/therm. The new natural gas utility provider, Seminole Energy Services, shall charge \$0.63481/therm.

The dollar savings for this ECM were calculated by taking the difference in the two utility rates (\$0.11465/therm) and multiplying it the target natural gas usage of the facility. The target natural gas usage was calculated with the following equation:

$$\text{Target Natural Gas Usage} = \text{Baseline Natural Gas Usage} - \text{Total Natural Gas Saved}$$

where,

$$\text{Total Natural Gas Saved} = \text{Total Natural Gas Saved at Building 12-Arapahoe Plaza Building} + \text{Total Natural Gas Saved at Building 13-Arapahoe Human Services} + \text{Total Natural Gas Saved at Building 14-Arapahoe Plaza West Building}$$

The following is an example for this ECM:

Baseline (therms):	43,196	
Savings Total (therms):		11,552
Target Baseline (therms):	31,644	
Rate difference:	\$0.11465/therm	

Total Savings: $31,644 \times \$0.11465 = \$3,627.99$

Note: The natural gas-fired boilers at Building 13-Arapahoe Human Services provide heating to Buildings 12 and 14, that is why these two buildings are included in the calculation above.

14 - Arapahoe Plaza West

ECM 23 – ERCM

ERCM savings is calculated on a square foot basis encompassing all buildings within the scope. Savings calculations can be found in Volume II of the Energy Audit.

14 - Arapahoe Plaza County Court								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	34,674	282	70	0.0	0	7	88,900	0
Feb	32,763	282	72	0.0	0	7	101,914	0
Mar	36,092	282	71	0.0	0	7	94,652	0
Apr	32,596	282	72	0.0	0	7	79,483	0
May	32,167	282	68	0.0	0	7	96,804	0
Jun	32,748	282	68	0.0	0	7	94,524	0
Jul	34,057	282	67	0.0	0	7	67,931	0
Aug	34,661	282	67	0.0	0	7	69,619	0
Sep	32,809	282	67	0.0	0	7	66,839	0
Oct	33,233	282	69	0.0	0	7	68,736	0
Nov	32,757	282	63	0.0	0	7	75,455	0
Dec	34,647	282	67	0.0	0	7	77,038	0
Totals	403,204	3,385	821	0.0	0	88	981,895	0

The following is an example for this ECM:

Total Annual Savings (kWh): 3,385

Total Annual Savings (therms): 88

Rate (Section 2.2.1): \$0.05869/kWh \$0.63841/therm

Total Savings: $(3,385 \times .05869) + (88 \times 0.63841) = \254.85

15 – Federal Warehouse

ECM 4 – Programmable Thermostat

ECM 23 – ERCM

Programmable thermostat savings are calculated using a spreadsheet analysis. ERCM savings is calculated on a square foot basis encompassing all buildings within the scope. Savings calculations can be found in Volume II of the Energy Audit.

15 - Federal Warehouse									
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons	
Jan	37,689	2,140	112	0.0	2,680	329	3,993	0	
Feb	35,256	2,140	106	0.0	2,510	329	3,375	0	
Mar	38,450	2,140	105	0.0	1,690	178	27,075	0	
Apr	39,504	2,140	135	0.0	730	253	42,253	0	
May	43,549	2,140	141	0.0	230	26	90,865	0	
Jun	50,500	2,140	152	0.0	40	26	101,429	0	
Jul	64,726	2,140	172	0.0	10	26	105,545	0	
Aug	57,394	2,140	158	0.0	0	26	104,617	0	
Sep	44,586	2,140	144	0.0	80	26	67,602	0	
Oct	43,687	2,140	119	0.0	560	178	50,570	0	
Nov	36,400	2,140	95	0.0	2,150	178	14,536	0	
Dec	35,914	2,140	98	0.0	2,890	253	3,702	0	
Totals	527,655	27,668	1,537	0	13,570	1,831	615,562	0	

The following is an example for ECM 4:

Total Annual Savings (kWh): 13,513

Total Annual Savings (therms): 1,662

Rate (Section 2.2.1): \$0.05869/kWh \$0.74946/therm

Total Savings: $(13,513 \times .05869) + (1,662 \times 0.74946) = \$2,038.68$

The following is an example for ECM 23:

Total Annual Savings (kWh): 12,172

Total Annual Savings (therms): 318

Rate (Section 2.2.1): \$0.05869/kWh \$0.74946/therm

Total Savings: $(12,172 \times .05869) + (318 \times 0.74946) = \952.70

20 – Tri County Health

ECM 4 – Programmable Thermostat

ECM 23 – ERCM

Programmable thermostat savings are calculated using a spreadsheet analysis. ERCM savings is calculated on a square foot basis encompassing all buildings within the scope. Savings calculations can be found in Volume II of the Energy Audit.

20 - Tri County Health								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	5,744	682	21	0.0	820	236	2,620	0
Feb	5,234	682	20	0.0	620	236	2,031	0
Mar	5,733	682	20	0.0	460	120	1,502	0
Apr	6,359	682	24	0.0	220	178	1,997	0
May	7,874	682	33	0.0	130	3	1,940	0
Jun	8,991	682	35	0.0	60	3	1,308	0
Jul	10,123	682	31	0.0	60	3	2,815	0
Aug	9,758	682	33	0.0	60	3	3,305	0
Sep	8,033	682	32	0.0	80	3	1,946	0
Oct	6,697	682	23	0.0	250	120	3,374	0
Nov	5,860	682	21	0.0	520	120	2,126	0
Dec	5,840	682	20	0.0	760	178	830	0
Totals	86,246	8,190	313	0	4,040	1,202	25,794	0

The following is an example for ECM 4:

Total Annual Savings (kWh): 6,828

Total Annual Savings (therms): 1,166

Rate (Section 2.2.1): \$0.05869/kWh \$0.74946/therm

Total Savings: $(6,828 \times .05869) + (1,166 \times 0.74946) = \$1,274.61$

The following is an example for ECM 23:

Total Annual Savings (kWh): 1,362

Total Annual Savings (therms): 36

Rate (Section 2.2.1): \$0.05869/kWh \$0.74946/therm

Total Savings: $(1,362 \times .05869) + (36 \times 0.74946) = \106.92

24 – Centrepointe

ECM 23 – ERCM

ECM 25 – Retro Commissioning

ERCM savings is calculated on a square foot basis encompassing all buildings within the scope. Retro commissioning savings is calculated using Trane Trace modeling software. Savings calculations and Trace assumptions can be found in Volume II of the Energy Audit.

24 - Centrepointe								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	260,048	21,100	643	0.0	340	-873	116,409	0
Feb	401,078	21,100	610	0.0	260	-873	121,020	0
Mar	261,719	21,100	579	0.0	230	-419	127,429	0
Apr	215,531	21,100	578	0.0	150	-646	217,067	0
May	211,119	21,100	537	0.0	160	35	450,652	0
Jun	203,988	21,100	644	0.0	120	35	608,281	0
Jul	223,833	21,100	599	0.0	130	35	767,500	0
Aug	219,062	21,100	627	0.0	160	35	847,328	0
Sep	203,212	21,100	552	0.0	220	35	677,306	0
Oct	224,160	21,100	537	0.0	380	-419	354,273	0
Nov	230,257	21,100	590	0.0	160	-419	156,870	0
Dec	256,230	21,100	654	0.0	170	-646	114,772	0
Totals	2,910,237	253,199	7,150	0	2,480	-4,125	4,558,907	0

The following is an example for ECM 23:

Total Annual Savings (kWh): 15,907

Total Annual Savings (therms): 415

Rate (Section 2.2.1): \$0.06321/kWh \$0.80714/therm

Total Savings: $(15,907 \times 0.06321) + (415 \times 0.80714) = \$1,340.45$

The following is an example for ECM 25:

Total Annual Savings (kWh): 237,292

Total Annual Savings (therms): (4,540)

Rate (Section 2.2.1): \$0.06321/kWh \$0.80714/therm

Total Savings: $(237,292 \times 0.06321) + ((4,540) \times 0.80714) = \$11,334.81$

29 – Peoria Shops

ECM 4 – Programmable Thermostat

ECM 23 – ERCM

Programmable thermostat savings are calculated using a spreadsheet analysis. ERCM savings is calculated on a square foot basis encompassing all buildings within the scope. Savings calculations can be found in Volume II of the Energy Audit.

29 - Peoria Shops								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	31,395	842	71	0.0	5,380	1,733	99,923	0
Feb	30,020	842	73	0.0	5,270	1,733	147,319	0
Mar	29,589	842	68	0.0	3,950	872	187,883	0
Apr	25,210	842	64	0.0	2,040	1,303	181,875	0
May	25,120	842	60	0.0	1,090	10	128,820	0
Jun	25,790	842	56	0.0	200	10	123,600	0
Jul	26,147	842	59	0.0	100	10	137,541	0
Aug	25,917	842	62	0.0	50	10	206,059	0
Sep	23,967	842	61	0.0	600	10	135,714	0
Oct	26,448	842	65	0.0	2,060	872	200,571	0
Nov	29,101	842	64	0.0	4,580	872	133,714	0
Dec	30,367	842	66	0.0	6,340	1,303	168,000	0
Totals	329,071	23,323	769	0	31,660	8,740	1,851,019	0

The following is an example for ECM 4:

Total Annual Savings (kWh): 6,053

Total Annual Savings (therms): 8,615

Rate (Section 2.2.1): \$0.05869/kWh \$0.63481/therm

Total Savings: $(6,053 \times .05869) + (8,615 \times 0.63481) = \$5,824.14$

The following is an example for ECM 23:

Total Annual Savings (kWh): 4,055

Total Annual Savings (therms): 125

Rate (Section 2.2.1): \$0.05869/kWh \$0.63481/therm

Total Savings: $(4,055 \times .05869) + (125 \times 0.63481) = \317.34

36 – Detention Center

ECM 16 – Irrigation Control System Upgrade

ECM 19 – Laundry Conservation

ECM 23 – ERCM

Irrigation and laundry conservation savings are calculated using a spreadsheet analysis. ERCM savings is calculated on a square foot basis encompassing all buildings within the scope. Savings calculations can be found in Volume II of the Energy Audit.

36 - ACJC Detention Center								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Irrigation Usage Baseline gallons	Irrigation Usage Projected Savings gallons
Jan	453,980	3,945	728	0.0	31,370	228	838	0
Feb	411,708	3,945	731	0.0	27,300	228	3,667	0
Mar	464,851	3,945	747	0.0	28,060	228	42,333	15,294
Apr	449,165	3,945	779	0.0	24,710	228	150,000	30,587
May	468,214	3,945	833	0.0	19,640	228	390,471	45,881
Jun	466,091	3,945	888	0.0	17,680	228	723,529	61,174
Jul	503,173	3,945	906	0.0	13,590	228	746,699	91,761
Aug	513,825	3,945	857	0.0	13,270	228	703,986	30,587
Sep	468,494	3,945	874	0.0	16,670	228	611,283	30,587
Oct	462,990	3,945	769	0.0	24,690	228	320,795	0
Nov	433,440	3,945	757	0.0	29,110	228	8,621	0
Dec	422,045	3,945	726	0.0	32,890	228	8,498	0
Totals	5,517,976	47,337	9,595	0	278,980	2,735	3,710,720	305,870

The following is an example for ECM 16:

Total Annual Savings (kgals): 306
Rate (Section 2.2.1): \$7.83
Total Savings: $306 \times 7.83 = \$2,395.98$

The following is an example for ECM 19:

Total Annual Savings (therms): 1,276
Rate (Section 2.2.1): \$0.63481/therm
Total Savings: $(1,276 \times 0.63481) = \810.02

The following is an example for ECM 23:

Total Annual Savings (kWh): 47,337

Total Annual Savings (therms): 1,459

Rate (Section 2.2.1): \$0.05869/kWh \$0.63481/therm

Total Savings: $(47,337 \times .05869) + (1,459 \times 0.63481) = \$3,704.40$

38 – Sheriff / Coroner Facility

ECM 23 – ERCM

ECM 25 – Retro Commissioning

ECRM savings is calculated on a square foot basis encompassing all buildings within the scope. Retro commissioning savings is calculated using Trane Trace modeling software. Savings calculations and Trace assumptions can be found in Volume II of the Energy Audit.

38 - Sheriff/Coroner Facility								
Month	Electric Usage Baseline kWh	Electric Usage Projected Savings kWh	Electric Demand Baseline kW	Electric Demand Projected Savings kW	Natural Gas Usage Baseline therms	Natural Gas Usage Projected Savings therms	Water Usage Baseline gallons	Water Usage Projected Savings gallons
Jan	233,435	20,656	0	0.0	2,160	-1,308	93,314	0
Feb	215,005	20,656	0	0.0	2,260	-1,308	121,580	0
Mar	215,985	20,656	0	0.0	1,430	-631	97,456	0
Apr	199,959	20,656	0	0.0	1,370	-969	131,250	0
May	202,483	20,656	0	0.0	770	45	500,091	0
Jun	194,728	20,656	0	0.0	630	45	557,777	0
Jul	204,941	20,656	0	0.0	760	45	631,966	0
Aug	203,837	20,656	0	0.0	420	45	590,513	0
Sep	191,454	20,656	0	0.0	460	45	470,063	0
Oct	190,813	20,656	0	0.0	780	-631	279,428	0
Nov	185,731	20,656	0	0.0	1,720	-631	116,476	0
Dec	238,052	20,656	0	0.0	2,630	-969	89,700	0
Totals	2,476,423	247,866	0	0	15,390	-6,221	3,679,614	0

The following is an example for ECM 23:

Total Annual Savings (kWh): 20,276

Total Annual Savings (therms): 545

Rate (Section 2.2.1): \$0.05869/kWh \$0.72763/therm

Total Savings: $(20,276 \times 0.05869) + (545 \times 0.72763) = \$1,586.56$

The following is an example for ECM 25:

Total Annual Savings (kWh): 227,590

Total Annual Savings (therms): (6,766)

Rate (Section 2.2.1): \$0.05869/kWh \$0.72763/therm

Total Savings: $(227,590 \times 0.05869) + ((6,766) \times 0.72763) = \$8,434.11$

9.5 Post-Installation Verification Activities

Chevron ES will supply a one-time report to the County detailing the calculation of savings. These calculated savings will be defined as Energy Unit Savings and will be agreed to occur each year of the Contract.

9.5.1 Variables Affecting Post-installation Energy Use

- Same as described above for the pre-installation period.

9.5.2 Define key system performance factors characterizing the post-installation conditions

- Post retrofit measurements and commissioning efforts will confirm the accuracy of performance.

9.5.3 N/A

9.5.4 N/A

9.5.5 Post-Installation Data to Be Collected

This is described above.

9.5.6 Data analysis to be performed and minimum acceptance requirements.

This is described above.

9.6 Periodic / Interval Verification Activities

- N/A

6

Appendix

This Section is divided into four (4) separate sections: Appendix A, Appendix B, Appendix C, and Appendix D.

Appendix A – Inventory of Light Fixtures provides an inventory of all existing light fixtures within the selected buildings at Arapahoe County. Appendix B – Standards of Control provides an inventory of the Standards of Control for existing conditions and proposed new conditions on which the energy savings calculations are based. Appendix C – Points List provides the points lists per facility for the recommended energy management system. Appendix D – Weighted Average Service Life of the Project provides the weighted average life of each ECM.

Appendix A

Inventory of Light Fixtures

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (01) Administration

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
P001	Mech. Room	8S75CF2	2	150	0.30	250		75	18S32CF(Lo)4	104	0.21	52	0.17	21
P001	Stair P001	W34WF2	1	78	0.08	3750		293	W32WF(Lo)2	52	0.05	195	0.90	88
P001	Stair P001	R28W(CF)1	1	26	0.03	3750		98	R28W(CF)1	26	0.03	98	0.90	0
400.4	BOCC Storage Closet	W34CF2	1	78	0.08	500		39	W32CF(Lo)2	52	0.05	26	0.33	12
410.3	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	239
410.3	Office	W34CF2	1	78	0.08	2250		176	W32CF(Lo)2	52	0.05	117	0.90	53
410.3	Office	W32TF1	1	32	0.03	2250		72	W32TF1	32	0.03	72	0.90	0
410.3	Office	W17TF1	2	17	0.03	2250		77	W17TF(Lo)1	17	0.03	77	0.90	0
410.4	Conference Rm.	24T34RF3	2	117	0.23	250		59	24T32RF(R)2	58	0.12	29	0.17	27
410.4	Conference Rm.	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	13
410.4	Conference Rm.	C26R(CF)1	5	26	0.13	250		33	C26R(CF)1	26	0.13	33	0.17	0
410.5	Comm. Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	478
410.6	Comm. Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	478
410.7	Comm. Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	478
410.8	Comm. Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	478
410.9	Comm. Office	22T32RF(U)2	1	58	0.06	2250		131	22T17RF(R)2	32	0.03	72	0.90	53
410.9	Comm. Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	358
410.9	Open Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	478
410.9	Open Office	24T34RF3	19	117	2.22	2250		5,002	24T32RF(R)2	58	1.10	2,480	0.90	2,270
410.9	Open Office	C45R(R30)1	5	45	0.23	2250		506	C45R(R30)1	45	0.23	506	0.90	0
410.1	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	358
410.1	Office	W32TF1	2	32	0.08	2250		144	W32TF1	32	0.08	144	0.90	0
410.1	Office	W17TF1	1	17	0.02	2250		38	W17TF(Lo)1	17	0.02	38	0.90	0
410.2	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	358
410.2	Office	W32TF1	2	32	0.06	2250		144	W32TF1	32	0.06	144	0.90	0
410.2	Elev. Lobby (by 400.8)	24T34RF3	4	117	0.47	3750		1,755	24T32RF(R)2	58	0.23	870	0.90	797
410.2	Elev. Lobby (by 400.8)	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0
410.2	Elev. Lobby (by 400.8)	C13R(CF)1	3	15	0.05	3750		169	C13R(CF)1	15	0.05	169	0.90	0
400.8	Men's Restroom	14T34RF1	4	39	0.16	2250		351	14T32RF(Lo)2	26	0.10	234	0.90	165
	Men's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0
400.7	Jan. Closet	O130C1	1	100	0.10	500		50	S32CF(Lo)1	30	0.03	15	0.33	32

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS		
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Demand (kW)	Energy (kWh)
400.2	Electrical Rm.	O100C11	1	100	0.10	250		25	S32CF(Lo)1	30	0.03	8	0.17	0.01	16
400.6	Kitchen	R60C12	1	120	0.12	2250		270	W32CF(Lo)2	52	0.05	117	0.90	0.06	138
400.6	Kitchen	C60C11	1	60	0.06	2250		135	C15R(CF)1	15	0.02	34	0.90	0.04	91
400.5	Women's Restroom	14T34RF1	4	39	0.16	2250		351	14T32RF(Lo/T2)1	26	0.10	234	0.90	0.05	105
400.5	Women's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
415	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
415	Office	W32TF1	2	32	0.06	2250		144	W32TF1	32	0.06	144	0.90	0.00	0
440	Office	24T34RF4	3	156	0.47	2250		1,053	24T32RF(R)2	58	0.17	392	0.90	0.26	595
440	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
441	Conference Rm.	24T34RF3	8	117	0.94	250		234	24T32RF(R)2	58	0.46	116	0.17	0.07	106
443	Conference Rm.	24T34RF3	9	117	1.05	250		263	24T32RF(R)2	58	0.52	131	0.17	0.08	120
444	Conference Rm.	24T34RF3	8	117	0.94	250		234	24T32RF(R)2	58	0.46	116	0.17	0.07	106
460	Veterans Service	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
460	Veterans Service	W32TF1	2	32	0.06	2250		144	W32TF1	32	0.06	144	0.90	0.00	0
465	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
465	Office	W32TF1	2	32	0.06	2250		144	W32TF1	32	0.06	144	0.90	0.00	0
470	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
470	Office	W32TF1	2	32	0.06	2250		144	W32TF1	32	0.06	144	0.90	0.00	0
H470	Hall (Corridor)	24T34RF3	9	117	1.05	3750		3,949	24T32RF(R)2	58	0.52	1,958	0.90	0.48	1,792
H470	Hall (Corridor)	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0.00	0
H470	Hall (Corridor)	22T34RF(U)2	1	78	0.08	3750		293	22T17RF(R)2	32	0.03	120	0.90	0.04	155
475	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
475	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
450	Risk Management	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
450	Risk Management	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0.00	0
450	Risk Management	14T32RF2	3	58	0.17	2250		392	14T32RF2	58	0.17	392	0.90	0.00	0
450.1	Training Rm.	24T34RF3	5	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
450.2	Office	24T32RF(U)2	2	58	0.12	2250		261	24T32RF(U)2	58	0.12	261	0.90	0.00	0
450.2	Office	W20TF1	2	20	0.04	2250		90	W17TF1	17	0.03	77	0.90	0.01	12
450.2	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
450.3	Storage-Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
450.3	Storage-Office	W30TF1	1	30	0.03	2250		68	W25TF(Lo)1	25	0.03	56	0.90	0.00	10

Building: **(01) Administration**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Areas Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage (kW)	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
450.4	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
450.4	Office	W34TF1	2	34		2250	2		W32TF1	32	0.06	144	0.90	-0.06	-130
455	Kitchen	W34CF4	1	156	0.16	2250		351	W32CF(L)04	104	0.10	234	0.90	0.05	105
420	County Atty. Office Area												0.00		
420.13	Library	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	382	0.90	0.16	358
432	File Room	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.11	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.11	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
420.1	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.1	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
420.9	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.9	Office	W20TF1	2	20	0.04	2250		90	W17TF1	17	0.03	77	0.90	0.01	12
420.8	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.8	Office	W20TF1	2	20	0.04	2250		90	W17TF1	17	0.03	77	0.90	0.01	12
420.8	Office	W30TF1	1	30	0.03	2250		68	W25TF(L)01	25	0.03	56	0.90	0.00	10
420.7	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.7	Office	W30TF1	2	30	0.06	2250		135	W25TF(L)01	25	0.05	113	0.90	0.01	20
420.6	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.6	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
420.5	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.5	Office	W30TF1	2	30	0.06	2250		135	W25TF(L)01	25	0.05	113	0.90	0.01	20
420.4	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.4	Office	W30TF1	2	30	0.06	2250		135	W25TF(L)01	25	0.05	113	0.90	0.01	20
420.3	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.3	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
420.3	Office	W20TF1	1	20	0.02	2250		45	W17TF1	17	0.02	38	0.90	0.00	6
420.2	Conference Rm.	24T34RF3	4	117	0.47	250		117	24T32RF(R)2	58	0.23	58	0.17	0.04	53
420.1	Copy Rm.	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
420.1	Copy Rm.	C13R(CF)1	2	15	0.03	2250		68	C13R(CF)1	15	0.03	68	0.90	0.00	0
H420	Corridor	24T34RF3	16	117	1.76	3750	3	6,581	24T32RF(R)2	58	0.93	3,480	0.90	0.74	2,791
H420	Corridor	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0
420.2	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
 Building: **(01) Administration**
 Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand (kW)	Energy (kWh)
420.2	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.00	4
420.2	Office	W20TF1	1	20	0.02	2250		45	W17TF1	17	0.02	38	0.00	6
420.19	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	251	0.11	239
420.19	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.00	4
420.19	Office	W20TF1	1	20	0.02	2250		45	W17TF1	17	0.02	38	0.00	6
420.18	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	251	0.11	239
420.18	Office	W34TF1	3	34	0.10	2250		230	W32TF1	32	0.10	216	0.01	12
420.17	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	251	0.11	239
420.17	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.00	8
420.17	Office	W20TF1	2	20	0.04	2250		90	W17TF1	17	0.03	77	0.01	12
420.16	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	251	0.11	239
420.16	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.00	8
420.15	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	251	0.11	239
420.15	Office	W34TF1	3	34	0.10	2250		230	W32TF1	32	0.10	216	0.01	12
480	Lobby (Elev)	24T34RF3	3	117	0.35	3750		1,316	24T32RF(R)2	58	0.17	653	0.16	597
480	Lobby (Elev)	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.00	0
400.9	Men's Restroom	18T60RF2	2	121	0.24	2250		545	18S32CF(Lo)4	104	0.21	468	0.03	69
400.9	Men's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.00	0
400.1	Jan. Closet	O100C1	1	100	0.10	500		50	S32CF(Lo)1	30	0.03	15	0.02	32
400.11	Kitchen	R75C12	1	150	0.15	2250		338	Q13R(CF)2	31.2	0.03	70	0.11	241
400.14	Electrical Rm.	O100C1	1	100	0.10	250		25	S32CF(Lo)1	30	0.03	8	0.01	16
400.12	Women's Restroom	18T60RF2	2	121	0.24	2250		545	18S32CF(Lo)4	104	0.21	468	0.03	69
400.12	Women's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.00	0
480	Finance Open Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.21	478
480	Finance Open Office	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.00	0
480.1	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	251	0.11	239
480.1	Office	24T34RF3	1	117	0.12	2250		263	24T32RF(R)2	58	0.06	131	0.05	120
480.1	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.00	8
480.1	Office	W30TF1	1	30	0.03	2250		68	W25TF(Lo)1	25	0.03	56	0.00	10
480.2	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	251	0.11	239
480.2	Office	24T34RF3	1	117	0.12	2250		263	24T32RF(R)2	58	0.06	131	0.05	120
480.2	Office	W30TF1	3	30	0.09	2250		203	W25TF(Lo)1	25	0.08	169	0.01	30

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No: **DWCES30219**
Building: **(01) Administration**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (KWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (KWh)		Demand (kW)	Energy (KWh)
480.3	File Storage	24T34RF3	1	117	0.12	500		59	24T32RF(R)2	58	0.06	29	0.33	0.02	27
480.4	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.4	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
480.4	Office	W30TF1	1	30	0.03	2250		68	W25TF(Lo)1	25	0.03	56	0.90	0.00	10
480	Open Office	24T34RF3	12	117	1.40	2250		3,159	24T32RF(R)2	58	0.70	1,566	0.90	0.64	1,434
493	Payroll	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	0.21	478
493	Payroll	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
493	Payroll	W30TF1	2	30	0.06	2250		135	W25TF(Lo)1	25	0.05	113	0.90	0.01	20
480.2	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.2	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
480.2	Office	W30TF1	1	30	0.03	2250		68	W25TF(Lo)1	25	0.03	56	0.90	0.00	10
480.19	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.19	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
480.18	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
480.17	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
480.17	Office	W30TF1	4	30	0.12	2250		270	W25TF(Lo)1	25	0.10	225	0.90	0.02	41
480.16	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.16	Office	W30TF1	4	30	0.12	2250		270	W25TF(Lo)1	25	0.10	225	0.90	0.02	41
480.15	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.15	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
480.14	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.14	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
480.13	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.13	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
480.12	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.12	Office	W30TF1	1	30	0.03	2250		68	W25TF(Lo)1	25	0.03	56	0.90	0.00	10
480.12	Office	W20TF1	1	20	0.02	2250		45	W17TF1	17	0.02	38	0.90	0.00	6
480.11	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.11	Office	W30TF1	2	30	0.06	2250		135	W25TF(Lo)1	25	0.05	113	0.90	0.01	20
480.1	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
480.1	Office	W30TF1	2	30	0.06	2250		135	W25TF(Lo)1	25	0.05	113	0.90	0.01	20

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Job No. DWCES30219

Building: (01) Administration

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
480.5	Break Rm.	24T34RF3	3	117	0.31	2250	1	702	24T32RF(R)2	58	0.17	392	0.90	280
H480	Corridor (SW 80.5)	X(R)2C(LED)1	3	2	0.01	8759.52		53	X(R)2C(LED)1	2	0.01	53	0.90	0
H480	Corridor	24T34RF3	2	117	0.23	3750		878	24T32RF(R)2	58	0.12	435	0.90	398
480.9	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	239
480.9	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	4
480.8	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	239
480.8	Office	22T34RF(U)2	1	78	0.08	2250		176	22T17RF(R)2	32	0.03	72	0.90	93
480.8	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	8
P001	Mech. Room (North)	8S75CF2	2	150	0.30	250		75	18S32CF(Lo)4	104	0.21	52	0.17	21
P001	N. Stair Tower	R13W(CF)1	2	13	0.03	3750		98	R13W(CF)1	13	0.03	98	0.90	0
P001	N. Stair Tower	W34WF2	1	78	0.08	3750		293	W32WFF(Lo)2	52	0.05	195	0.90	88
310	Data Analysis Area												0.00	
310	Open Office	24T34RF4	5	156	0.78	2250		1,755	24T32RF(R)2	58	0.29	653	0.90	992
310	Open Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	239
310	Open Office	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0
310.1	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	239
310.1	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	8
310.2	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	239
310.2	Office	W30TF1	1	30	0.03	2250		68	W25TF(Lo)1	25	0.03	56	0.90	10
310.3	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	239
310.3	Office	W30TF1	2	30	0.06	2250		135	W25TF(Lo)1	25	0.05	113	0.90	20
300.1	Electrical Rm.	O100C1	1	100	0.10	250		25	S32CF(Lo)1	30	0.03	8	0.17	16
300.5	Jan. Closet	O100C1	1	100	0.10	500		50	S32CF(Lo)1	30	0.03	15	0.33	32
300.2	South Stair Tower	W34WF2	1	78	0.08	3750		293	W32WFF(Lo)2	52	0.05	195	0.90	88
300.2	South Stair Tower	R13W(CF)1	1	13	0.01	3750		49	R13W(CF)1	13	0.01	49	0.90	0
300.4	Kitchen	R60C12	1	120	0.12	2250		270	W32CF(Lo)2	52	0.05	117	0.90	138
300.3	Women's Restroom	15B75RF1	2	78	0.16	2250		351	15B(2517)RF1	42	0.08	189	0.90	146
300.3	Women's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0
300.5	Men's Restroom	15B75RF1	2	78	0.16	2250		351	15B(2517)RF1	42	0.08	189	0.90	146
300.6	Lobby	C26R(CF)1	6	26	0.16	3750		585	C26R(CF)1	26	0.16	585	0.90	0
300.6	Lobby	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0
H300	Atrium Corridor	S32RF1	20	35	0.70	3750		2,625	S32RF1	35	0.70	2,625	0.90	0

hrs. The demand savings are not fully claimed.

Building: (01) Administration

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
H300	Atrium Corridor	X(R)2C(LED)1	3	2	0.01	8759.52		53	X(R)2C(LED)1	2	0.01	53	0.90	0.00	0
H300	Atrium Corridor	S32RF1	23	35	0.81	3750		3,019	S32RF1	35	0.81	3,019	0.90	0.00	0
H300	Atrium Corridor	C26R(CF)1	12	26	0.31	3750		1,170	C26R(CF)1	26	0.31	1,170	0.90	0.00	0
H300	Atrium Wall Washer	D36W(CF)2	24	72	1.73	2250		3,888	D36W(CF)2	72	1.73	3,888	0.90	0.00	0
320	Treasure Office	24T34RF3	42	117	4.41	2250	13	9,916	24T32RF(R)2	58	2.44	5,481	0.90	1.77	3,991
320	Treasure Office	W34CF4	1	156	0.16	2250		351	W32CF(Lo)4	104	0.10	234	0.90	0.05	105
320	Treasure Office	C65Tr(R30)1	5	65	0.33	2250		731	C65Tr(R30)1	65	0.33	731	0.90	0.00	0
320.1	Conference Rm.	24T34RF3	2	117	0.16	250	2	39	24T32RF(R)2	58	0.12	29	0.17	0.01	9
320.8	Office	24T34RF3	3	117	0.27	2250	2	614	24T32RF(R)2	58	0.17	392	0.90	0.09	201
320.8	Office	W20TF1	4	20	0.08	2250		180	W17TF1	17	0.07	153	0.90	0.01	24
320.7	Office	24T34RF3	4	117	0.39	2250	2	878	24T32RF(R)2	58	0.23	522	0.90	0.14	320
320.6	Office	24T34RF3	2	117	0.08	2250	4	176	24T32RF(R)2	58	0.12	261	0.90	-0.03	-77
320.6	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
320.6	Office	W20TF1	2	20	0.04	2250		90	W17TF1	17	0.03	77	0.90	0.01	12
320.6	Office	W30TF1	2	30	0.06	2250		135	W25TF(Lo)1	25	0.05	113	0.90	0.01	20
320.1	Bookkeeping	24T34RF3	4	117	0.27	2250	5	614	24T32RF(R)2	58	0.23	522	0.90	0.04	83
320.1	Bookkeeping	24T34RF3	15	117	1.76	2250		3,949	24T32RF(R)2	58	0.87	1,958	0.90	0.80	1,792
320.1	Bookkeeping	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
320.3	File Room	8S60CF2	3	121	0.36	500		182	18S32CF(Lo)4	104	0.31	156	0.33	0.02	23
320.3	File Room	24T34RF3	1	117	0.12	500		59	24T32RF(R)2	58	0.06	29	0.33	0.02	27
320.5	Break Room	24T34RF3	1	117	0.12	2250		263	24T32RF(R)2	58	0.06	131	0.90	0.05	120
340	Assessor Office	24T34RF3	22	117	2.57	2250		5,792	24T32RF(R)2	58	1.28	2,871	0.90	1.17	2,629
340	Assessor Office	24T34RF3	110	117	12.87	2250		28,958	24T32RF(R)2	58	6.38	14,355	0.90	5.84	13,142
340	Assessor Office	22T34RF(U)2	11	78	0.86	2250		1,931	22T17RF(R)2	32	0.35	792	0.90	0.46	1,025
340.5	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
340.5	Office	W30TF1	2	30	0.06	2250		135	W25TF(Lo)1	25	0.05	113	0.90	0.01	20
340.3	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
340.2	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
340.2	Office	W30TF1	2	30	0.06	2250		135	W25TF(Lo)1	25	0.05	113	0.90	0.01	20
340.2	Open Office	C65Tr(R30)1	8	65	0.52	2250		1,170	C65Tr(R30)1	65	0.52	1,170	0.90	0.00	0
340.1	Conference Rm.	24T34RF3	3	117	0.35	250		88	24T32RF(R)2	58	0.17	44	0.17	0.03	40
340	Open Office	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Numb. of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
340	Open Office	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0
340	Open Office	C60R11	6	60	0.36	2250		810	C15R(CF)1	15	0.09	203	0.90	0.24	547
300.1	Men's Restroom	15B75RF1	2	78	0.16	2250		351	15B(25/17)RF1	42	0.08	189	0.90	0.06	146
300.1	Men's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
300.13	Women's Restroom	15B75RF1	2	78	0.16	2250		351	15B(25/17)RF1	42	0.08	189	0.90	0.06	146
300.13	Women's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
300.14	3rd N. Stair Tower	W34WF2		78	0.08	3750		293	W32WF(Lo)2	52	0.05	195	0.90	0.02	88
300.14	3rd N. Stair Tower	R13W(CF)1	1	13	0.01	3750		49	R13W(CF)1	13	0.01	49	0.90	0.00	0
300	N Elev. Lobby	C26R(CF)1	8	26	0.21	3750		780	C26R(CF)1	26	0.21	780	0.90	0.00	0
300	N Elev. Lobby	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0
L00.18	Men's Restroom	18T60RF2	2	121	0.24	2250		545	18S32CF(Lo)4	104	0.21	488	0.90	0.03	69
L00.18	Men's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
L00.19	Janitor	R60C12	1	120	0.12	500		60	W32CF(Lo)2	52	0.05	26	0.33	0.02	31
L00.23	Elect	O100C11	1	100	0.10	250		25	S32CF(Lo)1	30	0.03	8	0.17	0.01	16
L00.20	Kitchen	O13C(CF)1	1	13	0.01	2250		29	O13C(CF)1	13	0.01	29	0.90	0.00	0
L00.21	Women's Restroom	18T60RF2	2	121	0.24	2250		545	18S32CF(Lo)4	104	0.21	488	0.90	0.03	69
L00.21	Women's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
L00.22	Stair	W34WF2	1	78	0.08	3750		293	W32WF(Lo)2	52	0.05	195	0.90	0.02	88
L00.22	Stair	R13W(CF)1	1	13	0.01	3750		49	R13W(CF)1	13	0.01	49	0.90	0.00	0
L00	N Elev. Lobby	C26R(CF)1	4	26	0.10	3750		390	C26R(CF)1	26	0.10	390	0.90	0.00	0
L01	N Elev. Lobby	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0.00	0
L30.21	File Storage	W34CF2	16	78	0.86	500	10	429	W32CF(Lo)T)2	52	0.83	416	0.33	0.01	12
L30.19	Clerk File Rm.	24T34RF4	10	156	0.70	500	22	351	24T32RF(R)T)2	58	0.58	290	0.33	0.04	55
L30.19	Clerk File Rm.	24T34RF4	38	156	5.93	500		2,964	24T32RF(R)2	58	2.20	1,102	0.33	1.12	1,676
HL30	Corridor	24T34RF3	5	117	0.59	3750		2,194	24T32RF(R)2	58	0.29	1,088	0.90	0.27	996
HL30	Corridor	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0
L30.E	Clerk Storage Rm.	24T34RF3	6	117	0.70	500		351	24T32RF(R)2	58	0.35	174	0.33	0.11	159
L30.E	Clerk Storage Rm.	W34TF1	2	34	0.07	500		34	W32TF1	32	0.06	32	0.33	0.00	2
L30.D	Clerk & Recorder	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)T)2	58	0.23	522	0.90	0.21	478
L30.D	Clerk & Recorder	24T34RF3	9	117	1.05	2250		2,369	24T32RF(R)2	58	0.52	1,175	0.90	0.48	1,075
L30.D	Clerk & Recorder	22T34RF(U)2	1	78	0.08	2250		176	22T17RF(R)2	32	0.03	72	0.90	0.04	93
L30.E	Bookkeeping	24T34RF3	11	117	1.29	2250		2,896	24T32RF(R)2	58	0.64	1,436	0.90	0.58	1,314

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
L30.E	Bookkeeping	14T34RF2	1	78	0.08	2250		176	14T32RF(L0)2	52	0.05	117	0.90	0.02	53
L30.F	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
L30.F	Office	W20TF1	1	20	0.02	2250		45	W17TF1	17	0.02	38	0.90	0.00	6
L30.F	Office	W30TF1	1	30	0.03	2250		68	W25TF(L0)1	25	0.03	56	0.90	0.00	10
L30.17	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
L30.17	Office	24T34RF3	1	117	0.12	2250		263	24T32RF(R)2	58	0.06	131	0.90	0.05	120
L30.17	Office	W34TF1	2	34	0.07	2250		153	W32TF1	32	0.06	144	0.90	0.00	8
L30.13	Office-Research	24T34RF3	9	117	1.05	2250		2,369	24T32RF(R)2	58	0.52	1,175	0.90	0.48	1,075
L30.A	Voter Reg-Marriage-Rec	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	0.21	478
L30.A	Voter Reg-Marriage-Rec	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
L30.10	Voter Reg-Marriage-Rec	24T34RF3	16	117	1.87	2250		4,212	24T32RF(R)2	58	0.93	2,088	0.90	0.85	1,912
L30.10	Voter Reg-Marriage-Rec	24T34RF3	48	117	5.62	2250		12,636	24T32RF(R)2	58	2.78	6,264	0.90	2.55	5,735
L30.10	Voter Reg-Marriage-Rec	22T34RF(U)2	1	78	0.08	2250		176	22T17RF(R)2	32	0.03	72	0.90	0.04	93
L30.5	Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	0.21	478
L30.4	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
L30.4	Office	24T34RF3	1	117	0.12	2250		263	24T32RF(R)2	58	0.06	131	0.90	0.05	120
L30.3	Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	0.21	478
L30.9	Office	24T34RF4	2	156	0.31	2250		702	24T32RF(R)2	58	0.12	261	0.90	0.18	397
L30.8	Office	24T34RF4	2	156	0.31	2250		702	24T32RF(R)2	58	0.12	261	0.90	0.18	397
L30.8	Office	24T34RF4	1	156	0.16	2250		351	24T32RF(R)2	58	0.06	131	0.90	0.09	199
L30.8	Office	W30TF1	1	30	0.03	2250		68	W25TF(L0)1	25	0.03	56	0.90	0.00	10
L30.8	Office	W20TF1	1	20	0.02	2250		45	W17TF1	17	0.02	38	0.90	0.00	6
L30.2	Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	0.21	478
L30.6	Motor Vehicle	24T34RF3	34	117	3.98	2250		8,951	24T32RF(R)2	58	1.97	4,437	0.90	1.81	4,062
L30.6	Motor Vehicle	24T34RF3	37	117	4.33	2250		9,740	24T32RF(R)2	58	2.15	4,829	0.90	1.96	4,421
L30	Motor Vehicle	22T34RF(U)2	2	78	0.16	2250		351	24T32RF(R)2	58	0.06	144	0.90	0.08	186
L30	Motor Vehicle	X(R)2C(LED)1	1	2	0.00	8759.52		18	22T17RF(R)2	32	0.00	18	0.90	0.00	0
L30	Motor Vehicle	C26R(CF)1	39	26	1.01	2250		2,282	X(R)2C(LED)1	2	1.01	2,282	0.90	0.00	0
L30	Motor Vehicle	X(R)2C(LED)1	4	2	0.01	8759.52		70	X(R)2C(LED)1	2	0.01	70	0.90	0.00	0
L30	Motor Vehicle	S32RF1	22	35	0.77	2250		1,733	S32RF1	35	0.77	1,733	0.90	0.00	0
L30	Motor Vehicle	S32RF1	14	35	0.49	2250		1,103	S32RF1	35	0.49	1,103	0.90	0.00	0
L00.17	Storage	24T34RF4	8	156	1.25	500		624	24T32RF(R)2	58	0.46	232	0.33	0.24	353

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
L00.13	Main Elec. Fire Panel	8S75CF2	3	150	0.45	250		113	18S32CF(Lo)4	104	0.31	78	0.17	0.02	31
L00.13	Main Elec. Fire Panel	24T34RF4	1	156	0.08	250	2	20	24T32RF(R)2	58	0.06	15	0.17	0.00	5
L00.15	Tele Rm.	8S75CF2	1	150	0.15	2250		338	18S32CF(Lo)4	104	0.10	234	0.90	0.04	93
L00.16	Vending/Break Rm.	8D59PF6	1	354	0.35	2250		797	8D59PF6	354	0.35	797	0.90	0.00	0
L00.17	Atrium Stairway (lower level)	C45RH1	4	45	0.18	3750		675	C45RH1	45	0.18	675	0.90	0.00	0
L20	E. Hearing Rm.	8D59PF6	21	354	7.43	2250		16,727	8D59PF6	354	7.43	16,727	0.90	0.00	0
L20	E. Hearing Rm.	D57PF3	2	177	0.35	2250		797	D57PF3	205.2	0.41	923	0.90	-0.05	-114
L21	E. Hearing Rm.	X2W(LED)1	4	2	0.01	8759.52		70	X2C(LED)1	2	0.01	70	0.90	0.00	0
L22	E. Hearing Rm.	C75TH(R38)1	18	75	1.35	2250		3,038	C75TH(R38)1	75	1.35	3,038	0.90	0.00	0
L20.3	Video Room	W34CF4	2	156	0.31	2250		702	W32CF(Lo)4	104	0.21	468	0.90	0.09	211
L20.4	Video Room	W34CF4	2	156	0.31	2250		702	W32CF(Lo)4	104	0.21	468	0.90	0.09	211
L20.4	W. Hearing Rm.	22T32RF(Dim/U)2	19	64	1.22	2250		2,736	22T17RF(R/dim)2	32	0.61	1,368	0.90	0.55	1,231
L20.4	W. Hearing Rm.	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0
L20.4	W. Hearing Rm.	C18R(CF)1	10	21	0.21	2250		473	C18R(CF)1	21	0.21	473	0.90	0.00	0
L20	Entry E. Hearing Rm.	C45RH(M16)1	8	45	0.36	2250		810	C45RH(M16)1	45	0.36	810	0.90	0.00	0
L20	W. Entry	C26R(CF)1	13	26	0.34	2250		761	C26R(CF)1	26	0.34	761	0.90	0.00	0
L00.1	S. Exit	C26R(CF)1	13	26	0.34	2250		761	C26R(CF)1	26	0.34	761	0.90	0.00	0
L00.1	S. Exit	C45RH(M16)1	6	45	0.27	2250		608	C45RH(M16)1	45	0.27	608	0.90	0.00	0
L00.2	Storage	O100C11	2	100	0.20	500		100	S32CF(Lo)1	30	0.06	30	0.33	0.04	63
L00.3	Mech. Room	O100C11	1	100	0.10	250		25	S32CF(Lo)1	30	0.03	8	0.17	0.01	16
L00.3	W. Entry	SP300WH1	1	300	0.30	2250		675	SP300WH1	300	0.30	675	0.90	0.00	0
L00.12	Men's Restroom	W32CF2	4	58	0.23	2250		522	W32CF2	58	0.23	522	0.90	0.00	0
L00.12	Men's Restroom	C13R(CF)1	1	15		2250	1		C13R(CF)1	15	0.02	34	0.90	-0.01	-30
L00.11	Jan. Closet	O100C11	1	100	0.10	500		50	S32CF(Lo)1	30	0.03	15	0.33	0.02	32
L00.10	Kitchen	R60C12	1	120	0.12	2250		270	W32CF(Lo)2	52	0.05	117	0.90	0.06	138
L00.9	Women's Restroom	W32CF2	4	58	0.23	2250		522	W32CF2	58	0.23	522	0.90	0.00	0
L00.9	Women's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
L00.8	S. Stair Tower	W34WF1	1	42	0.04	3750		138	W32CF(Lo)1	26	0.03	98	0.90	0.01	54
L00.8	S. Stair Tower	C13W(CF)1	1	15	0.02	3750		56	C13R(CF)1	15	0.02	56	0.90	0.00	0
L00.10	Tele Lobby	C26R(CF)1	10	26	0.26	2250		525	C26R(CF)1	26	0.26	585	0.90	0.00	0
L00.10	Tele Lobby	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0.00	0
G00.1	Corridor	24T34RF3	4	117	0.47	3750		1,755	24T32RF(R)2	58	0.23	870	0.90	0.21	797

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (01) Administration
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
G15	IT Storage	24T34RF3	2	117	0.23	500		117	24T32RF(R)2	58	0.12	58	0.33	0.04	53
G15	IT Storage	24T34RF3	1	117	0.12	500		59	24T32RF(R)2	58	0.06	29	0.33	0.02	27
G05.1	IT Lab	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G05.1	IT Lab	24T34RF3	7	117	0.82	2250		1,843	24T32RF(R)2	58	0.41	914	0.90	0.37	836
G25	IT Conf. Rm	24T34RF3	2	117	0.23	250		59	24T32RF(R)2	58	0.12	29	0.17	0.02	27
G25	IT Conf. Rm	24T34RF3	5	117	0.59	250		146	24T32RF(R)2	58	0.29	73	0.17	0.04	66
G20	Radio Rm.	8S75CF2	3	150	0.45	2250		1,013	18S32CF(Lo)4	104	0.31	702	0.90	0.12	280
G20	Radio Rm.	W34CF2	2	78	0.16	2250		351	W32CF(Lo)2	52	0.10	234	0.90	0.05	105
G20	Radio Rm.	W34CF2	1	78	0.08	2250		176	W32CF(Lo)2	52	0.05	117	0.90	0.02	53
G10	IT Training	24T34RF3	14	117	1.64	2250		3,686	24T32RF(R)2	58	0.81	1,827	0.90	0.74	1,673
G10	IT Training	C75TRI1	8	75	0.60	2250		1,350	C15R(CF)1	15	0.12	270	0.90	0.43	972
G00.12	Men's Restroom	8S75RF1	1	75	0.08	2250		169	18W32PF(Lo)4	104	0.10	234	0.90	-0.03	-59
G00.12	Men's Restroom	5S55RF1	2	55	0.11	2250		248	15S(25/17)RF1	42	0.08	189	0.90	0.02	53
G00.12	Men's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
G00.11	Jan. Closet	O100CI1	1	100	0.10	500		50	S32CF(Lo)1	30	0.03	15	0.33	0.02	32
G00.10	Kitchen	R60C2	1	120	0.12	2250		270	W32CF(Lo)2	52	0.05	117	0.90	0.06	138
G00.9	Women's Restroom	5S55RF1	2	55	0.11	2250		248	15S(25/17)RF1	42	0.08	189	0.90	0.02	53
G00.9	Women's Restroom	8S75RF1	1	75	0.08	2250		169	18W32PF(Lo)4	104	0.10	234	0.90	-0.03	-59
G00.9	Women's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
G00.8	Fire Sprinkler Rm.	O100CI1	2	100	0.20	250		50	S32CF(Lo)1	30	0.06	15	0.17	0.02	32
G00.6	Storage Rm.	8S75CF2	2	150	0.30	500		150	18S32CF(Lo)4	104	0.21	104	0.33	0.03	41
G00.7	Tele. Rm.	O18C(CF)1	1	18	0.02	250		5	O18C(CF)1	18	0.02	5	0.17	0.00	0
G00.5	Corridor	C26R(CF)1	4	26	0.10	3750		390	C26R(CF)1	26	0.10	390	0.90	0.00	0
G00.5	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0.00	0
G00.5	S. Stair Tower	C13W(CF)1	1	15	0.02	3750		56	C13R(CF)1	15	0.02	56	0.90	0.00	0
G00.4	Elev. Equip. Rm.	O100CI1	1	100	0.10	250		25	S32CF(Lo)1	30	0.03	8	0.17	0.01	16
G30	Office	24T34RF3	4	117	0.47	2250		1,053	24T32RF(R)2	58	0.23	522	0.90	0.21	478
G30	Corridor	24T34RF3	3	117	0.35	3750		1,316	24T32RF(R)2	58	0.17	653	0.90	0.16	597
G30	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0.00	0
G40	Maint. Storage	8S75CF2	3	150	0.30	500	2	150	18S32CF(Lo)4	104	0.31	156	0.33	0.00	-5
G40	Maint. Storage	8S32PF4	3	116	0.35	500		174	8S32PF4	116	0.35	174	0.33	0.00	0
G35	Kitchen	24T34RF4	3	156	0.47	2250		1,053	24T32RF(R)2	58	0.17	392	0.90	0.26	595

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (01) Administration

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
G35.1	Mech. Rm.	8S75WF2	1	150	0.15	250		38	8S32WF(L0)4	104	0.10	26	0.17	0.01	10
G45	Office Services	24T32RF3	7	87	0.61	2250		1,370	24T32RF(R)2	58	0.41	914	0.90	0.18	411
G45.1	Supv. Office	24T32RF3	2	87	0.17	2250		392	24T32RF(R)2	58	0.12	261	0.90	0.05	118
G50	Quiet Room	24T34RF3	3	117	0.16	2250	5	351	24T32RF(R)2	58	0.17	392	0.90	-0.02	-37
G55	Facilities Service	24T34RF3	4	117	0.31	2250	4	702	24T32RF(R)2	58	0.23	522	0.90	0.07	162
G55.1	Office	24T34RF3	1	117	0.08	2250	1	176	24T32RF(R)2	58	0.06	131	0.90	0.02	41
G55.1	Office	W30TF1	2	30	0.06	2250		135	W25TF(L0)1	25	0.05	113	0.90	0.01	20
G55.1	Office	W20TF1	2	20	0.04	2250		90	W17TF1	17	0.03	77	0.90	0.01	12
G55.2	Office	24T34RF3	1	117	0.08	2250	1	176	24T32RF(R)2	58	0.06	131	0.90	0.02	41
G55.2	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
G55.2	Office	W30TF1	2	30	0.03	2250	1	68	W25TF(L0)1	25	0.05	113	0.90	-0.02	-41
G55.3	Office	24T34RF3	2	117	0.12	2250	3	263	24T32RF(R)2	58	0.12	261	0.90	0.00	2
G55.3	Office	W34TF1	3	34	0.10	2250		230	W32TF1	32	0.10	216	0.90	0.01	12
G55.3	Office	W30TF1	2	30	0.06	2250		135	W25TF(L0)1	25	0.05	113	0.90	0.01	20
G55.4	Office	24T34RF3	1	117	0.08	2250	1	176	24T32RF(R)2	58	0.06	131	0.90	0.02	41
G55.4	Office	W34TF1	1	34	0.03	2250		77	W32TF1	32	0.03	72	0.90	0.00	4
G55.4	Office	W30TF1	2	30	0.06	2250		135	W25TF(L0)1	25	0.05	113	0.90	0.01	20
G55.4	Office	W20TF1	1	20	0.02	2250		45	W17TF1	17	0.02	38	0.90	0.00	6
G55.A	Facilities Service	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
G55.B	Plan	24T32RF3	6	87	0.52	2250		1,175	24T32RF(R)2	58	0.35	783	0.90	0.16	352
G85	Facilities Service	24T34RF4	5	156	0.78	2250		1,755	24T32RF(R)2	58	0.29	653	0.90	0.44	992
G85.1	Storage	8S75CF2	3	150	0.45	500		225	18S32CF(L0)4	104	0.31	156	0.33	0.04	62
G85.2	Storage	8S75CF2	1	150	0.15	500		75	18S32CF(L0)4	104	0.10	52	0.33	0.01	21
G85	Corridor	24T34RF3	8	117	0.62	3750	8	2,340	24T32RF(R)2	58	0.46	1,740	0.90	0.14	540
G85	Corridor	X(R)2C(LED)1	3	2	0.01	8759.52		53	X(R)2C(LED)1	2	0.01	53	0.90	0.00	0
G90	Maint. Storage	8S75CF2	2	150	0.30	500		150	18S32CF(L0)4	104	0.21	104	0.33	0.03	41
G90.1	Chiller Rm.	S34PF2	8	78	0.52	250		156	S32CF(L0)2	52	0.42	104	0.17	0.03	47
G90.1	Chiller Rm.	X2W(LED)1	1	2	0.00	8759.52		18	X2C(LED)1	2	0.00	18	0.90	0.00	0
G92	Sheriff's Substation	24T34RF4	2	156	0.31	2250		702	24T32RF(R)2	58	0.12	261	0.90	0.18	397
G00.25	Corridor	24T34RF4	4	156	0.62	3750		2,340	24T32RF(R)2	58	0.23	870	0.90	0.35	1,323
G00.25	Corridor	24T34RF3	1	117	0.12	3750		439	24T32RF(R)2	58	0.06	218	0.90	0.05	199
G00.25	Corridor	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (01) Administration
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
G00.25	Corridor	8S75CF2	2	150	0.30	3750		1,125	18S32CF(Lo)4	104	0.21	780	0.90	0.08	311
G99	Office Service Storage	24T34RF4	3	156	0.47	2250		1,063	24T32RF(R)2	58	0.17	392	0.90	0.26	595
G95	Print Shop	24T34RF4	2	156	0.31	2250		702	24T32RF(R)2	58	0.12	261	0.90	0.18	397
G95	Print Shop	24T34RF4	17	156	2.65	2250		5,967	24T32RF(R)2	58	0.99	2,219	0.90	1.50	3,374
G95	Print Shop	8S75CF2	2	150	0.30	2250		675	18S32CF(Lo)4	104	0.21	468	0.90	0.08	186
G95.1	Office	24T34RF4	1	156	0.16	2250		351	24T32RF(R)2	58	0.06	131	0.90	0.09	199
G95.2	Wash Room	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G95.3	Print Area	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G95.3	Print Area	24T34RF4	9	156	1.40	2250		3,159	24T32RF(R)2	58	0.52	1,175	0.90	0.79	1,786
G00.22	Mech. Rm.	O150CI1	2	150	0.30	250		75	S32CF(Lo)2	52	0.10	26	0.17	0.03	44
G95	Corridor	24T34RF3	5	117	0.39	3750	5	1,463	24T32RF(R)2	58	0.29	1,088	0.90	0.09	338
G95	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0.00	0
G00.16	Men's Restroom	18T60RF2	2	121	0.24	2250		545	18S32CF(Lo)4	104	0.21	468	0.90	0.03	69
G00.16	Men's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
G00.17	Jan. Closet	O150CI1	1	150	0.15	500		75	S32CF(Lo)2	52	0.05	26	0.33	0.03	44
G00.18	Kitchen	R60CI2	1	120	0.12	2250		270	W32CF(Lo)2	52	0.05	117	0.90	0.06	138
G00.19	Women's Restroom	18T60RF2	2	121	0.24	2250		545	18S32CF(Lo)4	104	0.21	468	0.90	0.03	69
G00.19	Women's Restroom	C13R(CF)1	1	15	0.02	2250		34	C13R(CF)1	15	0.02	34	0.90	0.00	0
G00.20	Corridor	C26R(CF)1	4	26	0.10	3750		390	C26R(CF)1	26	0.10	390	0.90	0.00	0
G80.5	Suite 180 Info Service	Locked				2250			Locked		0.00	0	0.90	0.00	
G80.14	Conference Rm.	24T34RF4	3	156	0.47	250		117	24T32RF(R)2	58	0.17	44	0.17	0.04	66
G80.13	Storage	24T34RF4	2	156	0.31	500		156	24T32RF(R)2	58	0.12	59	0.33	0.06	88
G80.13	Storage	24T34RF4	1	156	0.16	500		78	24T32RF(R)2	58	0.06	29	0.33	0.03	44
G80.13	Storage	24T34RF4	2	156	0.31	500		156	24T32RF(R)2	58	0.12	59	0.33	0.06	88
G80.13	Storage	22T34RF(U)2	2	78	0.16	500		78	22T17RF(R)2	32	0.06	32	0.33	0.03	41
G80.12	Vestibule	24T34RF3	1	117	0.08	3750	1	293	24T32RF(R)2	58	0.06	218	0.90	0.02	68
G80.12	Vestibule	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(R)2C(LED)1	2	0.00	18	0.90	0.00	0
G80.11	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
G80.10	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
G80.9	Office	24T34RF3	1	117	0.12	2250		263	24T32RF(R)2	58	0.06	131	0.90	0.05	120
G80.9	Office	24T34RF4	2	156	0.31	2250		702	24T32RF(R)2	58	0.12	261	0.90	0.18	397
G80.9	IT Open Office	24T34RF3	66	117	7.72	2250		17,375	24T32RF(R)2	58	3.83	8,613	0.90	3.50	7,885

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (01) Administration

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
G80.9	IT Open Office	24T34RF4	24	156	3.74	2250		8,424	24T32RF(R)2	58	1.39	3,132	0.90	2.12	4,763
G80.9	IT Open Office	22T34RF(U)2	2	78	0.16	2250		351	22T17RF(R)2	32	0.06	144	0.90	0.08	186
G80.9	IT Open Office	X(R)2C(LED)1	3	2	0.01	8759.52		53	X(R)2C(LED)1	2	0.01	53	0.90	0.00	0
G80.15	Server Rm G80.15	24T34RF4	4	156	0.47	250	4	117	24T32RF(R)2	58	0.23	58	0.17	0.04	53
G80.15	Server Rm G80.15	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0
G80.15	Server Rm G80.15	24T34RF3	6	117	0.55	250	4	137	24T32RF(R)2	58	0.35	87	0.17	0.03	45
G80.15	Server Rm G80.15	24T34RF3	35	117	4.10	250		1,024	24T32RF(R)2	58	2.03	508	0.17	0.31	465
G80.15	Server Rm G80.15	S32WF(TC)2	1	58	0.06	250		15	S32WF(TC)2	58	0.06	15	0.17	0.00	0
G80.15	Server Rm G80.15	24B34RF4	1	156	0.08	250	2	20	24B32CF(R)2	58	0.06	15	0.17	0.00	5
G80.15	Server Rm G80.15	O150W11	1	150	0.15	250		38	W32CF(Lo)2	52	0.05	13	0.17	0.01	22
G80.4	IT Open Office	24T34RF3	10	117	1.17	2250		2,833	24T32RF(R)2	58	0.58	1,305	0.90	0.53	1,195
G80.4	IT Open Office	24T34RF3	26	117	3.04	2250		6,845	24T32RF(R)2	58	1.51	3,393	0.90	1.38	3,106
G80.4	IT Open Office	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0
G80.3	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G80.2	Conference	24T34RF3	4	117	0.47	250		117	24T32RF(R)2	58	0.23	58	0.17	0.04	53
G80.2	Conference	22T32RF(U)2	3	58	0.17	250		44	22T17RF(R)2	32	0.10	24	0.17	0.01	18
G80.2	Conference	C75RH(R30)1	3	75	0.23	250		56	C75RH(R30)1	75	0.23	56	0.17	0.00	0
G70.6	Conference Rm.	24T34RF3	3	117	0.23	250	3	59	24T32RF(R)2	58	0.17	44	0.17	0.01	14
G70.4	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
G70.3	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G70.2	Office	24T34RF3	2	117	0.22	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G70	Open Office Area	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G70	Open Office Area	24T34RF3	24	117	2.26	2250	14	5,090	24T32RF(R)2	58	1.39	3,132	0.90	0.78	1,762
G70	Open Office Area	22T34RF(U)2	1	78	0.08	2250		176	22T17RF(R)2	32	0.03	72	0.90	0.04	93
G70	Open Office Area	X(R)2C(LED)1	3	2	0.01	8759.52		53	X(R)2C(LED)1	2	0.01	53	0.90	0.00	0
G70.1	Office	24T34RF3	3	117	0.35	2250		790	24T32RF(R)2	58	0.17	392	0.90	0.16	358
G70.7	Kitchen	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G70	Vestibule	C26R(CF)1	2	26	0.05	3750		195	C26R(CF)1	26	0.05	195	0.90	0.00	0
G70	Exterior	C70R(MH)1	2	78	0.08	5138.72	1	399	C70R(MH)1	78	0.16	797	0.90	-0.07	-359
G60	Human Resources	24T34RF3	7	117	0.82	2250		1,843	24T32RF(R)2	58	0.41	914	0.90	0.37	836
G60	Human Resources	X(R)2C(LED)1	1	2	0.00	8759.52	3	-35	X(R)2C(LED)1	2	0.00	18	0.90	-0.01	-47
G60.1	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES30219**
Building: **(01) Administration**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
G60.2	Office	24T34RF3	3	117	0.27	2250	2	614	24T32RF(R)2	58	0.17	392	0.90	0.09	201
G60.3	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G60.4	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G60.5	Office	24T34RF3	3	117	0.12	2250	6	263	24T32RF(R)2	58	0.17	392	0.90	-0.05	-115
G60.7	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G60.8	Office	24T34RF3	2	117	0.23	2250		527	24T32RF(R)2	58	0.12	261	0.90	0.11	239
G60.9	Office	24T34RF3	2	117	0.08	2250	4	176	24T32RF(R)2	58	0.12	261	0.90	-0.03	-77
G60.10	Work Room	24T34RF3	6	117	0.55	2250	4	1,229	24T32RF(R)2	58	0.35	783	0.90	0.18	401
G60.7	Hall	24T34RF3	4	117	0.35	3750	3	1,316	24T32RF(R)2	58	0.23	870	0.90	0.11	402
G60.7	Hall	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(R)2C(LED)1	2	0.00	35	0.90	0.00	0
Exterior	East Parking Lot	Q400Pq(HPS)2	9	960	8.64	5109.72		44,148	Q400Pq(HPS)2	960	8.64	44,148	0.90	0.00	0
Exterior	East Parking Lot	Q400Pq(HPS)1	3	480	1.44	5109.72		7,358	Q400Pq(HPS)1	480	1.44	7,358	0.90	0.00	0
Exterior	South West Bldg. (on Ground)	C150G(MH)1	8	180	1.44	5109.72		7,358	C150G(MH)1	180	1.44	7,358	0.90	0.00	0
Exterior	West Entrance	C100R(MH)	3			5109.72			C100R(MH)	0	0.00	0	0.90	0.00	0
Exterior	West Entrance	C150R(MH)1	3	180	0.54	5109.72		2,759	C150R(MH)1	180	0.54	2,759	0.90	0.00	0
Exterior	North Bldg	WP150W(HPS)1	5	188	0.94	5109.72		4,803	WP150W(HPS)1	188	0.94	4,803	0.90	0.00	0
Total kW: 190.87									Total kWh: 428,949.23				370.77	58.35	133,719

Project: **Arapahoe County**

Job No.

DWCES30219Building: **(12) Plaza East BLDG**

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
240	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
239	Office	24T32RF(Lou)3	2	87	0.15	2625	1	381	24T32RF(LouR)2	59	0.12	310	0.90	0.02	64
238	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
237	Office	24T32RF(Lou)3	3	87	0.20	2625	2	533	24T32RF(LouR)2	59	0.18	465	0.90	0.02	61
236	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
235	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
234	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
233	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
232	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
231	Office	24T32RF(Lou)3	2	87	0.15	2625	1	381	24T32RF(LouR)2	59	0.12	310	0.90	0.02	64
230	Office	24T32RF(Lou)3	2	87	0.12	2625	2	305	24T32RF(LouR)2	59	0.12	310	0.90	0.00	-5
H201	Hallway	24T32RF(Lou)3	3	87	0.23	8759.52	1	2,032	24T32RF(LouR)2	59	0.18	1,550	0.90	0.05	434
H201	Hallway	X(g)2C(LED)1	2	6	0.01	8759.52		105	X(g)2C(LED)1	6	0.01	105	0.90	0.00	0
241A	Open Office Area	24T32RF(Lou)3	9	87	0.67	2625	4	1,751	24T32RF(LouR)2	59	0.53	1,394	0.90	0.12	321
241A	Open Office Area	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(g)2C(LED)1	6	0.01	53	0.90	0.00	0
241	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
242	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(LouR)2	59	0.06	155	0.90	0.03	66
243	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
227	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(LouR)2	59	0.06	155	0.90	0.03	66
228	Office	24T32RF(Lou)3	2	87	0.12	2625	2	305	24T32RF(LouR)2	59	0.12	310	0.90	0.00	-5
229	Office	24T32RF(Lou)3	2	87	0.15	2625	1	381	24T32RF(LouR)2	59	0.12	310	0.90	0.02	64
226	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
225	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(LouR)2	59	0.06	155	0.90	0.03	66
222	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
221	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
220	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
219	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
218	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
H202	Hallway	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	0.05	132
217	Storage	24T32RF(Lou)3	6	87	0.44	500	3	218	24T32RF(LouR)2	59	0.35	177	0.33	0.02	37
215	Conference	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(LouR)2	59	0.12	30	0.17	0.01	13

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
214	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
213	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
212	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
209	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
208	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
H203	Hallway	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
216	Electrical Room	24T32RF3	2	87	0.17	250		44	24T32RF(R)2	59	0.12	30	0.17	13
215	Electrical Room	24T32RF3	1	87	0.09	250		22	24T32RF(R)2	59	0.06	15	0.17	6
218	Electrical Room	W32CF2	1	59	0.06	250		15	W32CF2	59	0.06	15	0.17	0
H204	Hallway	24T32RF(Lou)3	7	87	0.61	3875		2,360	24T32RF(Lou)2	59	0.41	1,600	0.90	684
H204	Hallway	X(g)2C(LED)1	3	6	0.02	8759.52		158	X(g)2C(LED)1	6	0.02	158	0.90	0
247	Janitor Closet	O60C1	1	60	0.06	500		30	Q13R(CF)2	31	0.03	16	0.33	13
247A	Kitchen	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
249	Men's RR	C13R(CF)2	6	31	0.19	2625		488	C13R(CF)2	31	0.19	488	0.90	0
248	Women's RR	C13R(CF)2	6	31	0.19	2625		488	C13R(CF)2	31	0.19	488	0.90	0
200	Open Office Area	24T32RF(Lou)3	17	87	1.48	2625		3,882	24T32RF(Lou)2	59	1.00	2,633	0.90	1,125
200	Open Office Area	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(g)2C(LED)1	6	0.01	53	0.90	0
201	Conference	24T32RF(Lou)3	8	87	0.70	250		174	24T32RF(Lou)2	59	0.47	118	0.17	50
201	Conference	C150R(dim)1	4	150	0.60	250		150	C90RH(R38)1	90	0.36	90	0.17	54
202	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
South	South Stair	W32WF(em)2	2	59	0.12	8759.52		1,034	W32WF(em)2	59	0.12	1,034	0.90	0
203	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
204	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
205	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
206	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
201A	Probation Waiting Rm	24T32RF(Lou)3	9	87	0.78	2625		2,055	24T32RF(Lou)2	59	0.53	1,394	0.90	595
201B	Main entry Atrium	C75RU(R38)1	8	75	0.60	2625		1,575	C50RH(R38)1	50	0.40	1,050	0.90	473
201B	Main entry Atrium	C13R(CF)2	2	31	0.06	2625		163	C13R(CF)2	31	0.06	163	0.90	0
244	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	132
224	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(Lou)2	59	0.06	155	0.90	66
223	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(Lou)2	59	0.06	155	0.90	66
	Roof Entry	W32WF2	1	59	0.06	2625		155	W32WF2	59	0.06	155	0.90	0

Project: Arapahoe County

Job No.

DWCES30219

Building: (12) Plaza East BLDG

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
100	Open Office Area	24T32RF(Lou)3	13	87	1.13	2625		2,969	24T32RF(Lou/R)2	59	0.77	2,013	0.90	0.33	860
100	Open Office Area	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(g)2C(LED)1	6	0.01	53	0.90	0.00	0
101	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
102	Office	24T32RF(Lou)3	3	87	0.26	2625		685	24T32RF(Lou/R)2	59	0.18	465	0.90	0.08	199
103	Conference Room	24T32RF(Lou)3	4	87	0.35	250		87	24T32RF(Lou/R)2	59	0.24	59	0.17	0.02	25
104	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
105	Training Room #2	24T32RF(Lou)3	9	87	0.78	2625		2,055	24T32RF(Lou/R)2	59	0.53	1,394	0.90	0.23	595
104A	Storage	24T32RF(Lou)3	1	87	0.09	500		44	24T32RF(Lou/R)2	59	0.06	30	0.33	0.01	13
105A	Storage	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(Lou/R)2	59	0.12	59	0.33	0.02	25
105A	Storage	24T32RF(Lou)3	1	87	0.09	500		44	24T32RF(Lou/R)2	59	0.06	30	0.33	0.01	13
105B	Electrical Room	S32PF2	1	59	0.06	250		15	S32CF2	59	0.06	15	0.17	0.00	0
106	Mechanical Closet	S32PF2	1	59	0.06	250		15	S32CF2	59	0.06	15	0.17	0.00	0
107	Women's RR	C13R(CF)2	6	31	0.19	2625		488	C13R(CF)2	31	0.19	488	0.90	0.00	0
108	Men's RR	C13R(CF)2	6	31	0.19	2625		488	C13R(CF)2	31	0.19	488	0.90	0.00	0
109	Storage	S32PF2	1	59	0.06	500		30	S32CF2	59	0.06	30	0.33	0.00	0
109A	Elevator Equipment	S32PF2	1	59	0.06	250		15	S32CF2	59	0.06	15	0.17	0.00	0
110	Work Force Center	24T32RF(Lou)3	4	87	0.35	2625		914	24T32RF(Lou/R)2	59	0.24	620	0.90	0.10	265
110	Work Force Center	24T32RF(Lou)3	43	87	3.74	2625		9,820	24T32RF(Lou/R)2	59	2.54	6,660	0.90	1.08	2,845
110	Work Force Center	X(g)2C(LED)1	3	6	0.02	8759.52		158	X(g)2C(LED)1	6	0.02	158	0.90	0.00	0
110A	Tele-Electrical Room	S34PF2	2	72	0.14	250		36	S32PF(Lou)2	52	0.10	26	0.17	0.01	9
110B	Mechanical Room	S32PF2	8	59	0.47	250		118	S32CF2	59	0.47	118	0.17	0.00	0
111	Training Room	24T32RF(Lou)3	9	87	0.78	2625		2,055	24T32RF(Lou/R)2	59	0.53	1,394	0.90	0.23	595
112	Probation Storage	S32PF2	2	59	0.12	500		59	S32PF2	59	0.12	59	0.33	0.00	0
113	Office	24T32RF(Lou)3	4	87	0.35	2625		914	24T32RF(Lou/R)2	59	0.24	620	0.90	0.10	265
114	Breakroom	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
115	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(Lou/R)2	59	0.06	155	0.90	0.03	66
116	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(Lou/R)2	59	0.06	155	0.90	0.03	66
117	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(Lou/R)2	59	0.06	155	0.90	0.03	66
118	Office	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(Lou/R)2	59	0.06	155	0.90	0.03	66
H101	Hallway	24T32RF(Lou)3	7	87	0.61	3875		2,360	24T32RF(Lou/R)2	59	0.41	1,800	0.90	0.18	684
H101	Hallway	X(g)2C(LED)1	4	6	0.02	8759.52		210	X(g)2C(LED)1	6	0.02	210	0.90	0.00	0
119	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES30219**
Building: **(12) Plaza East BLDG**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
120	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
121	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
122	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
123	Training Room #1	24T32RF(Lou)3	8	87	0.70	2625		1,827	24T32RF(Lou/R)2	59	0.47	1,239	0.90	0.20	529
124	Main Lobby	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
124	Main Lobby	C13R(CF)2	5	31	0.16	2625		407	C13R(CF)2	31	0.16	407	0.00	0.00	0
Total kW: 26.34 Total kWh: 64,235.56									18.82 45,935				78.13	6.07	16,471

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES0219**

Building: **(13) Human Services**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
300	3rd Flr. Elev. Lobby	24T32RF3	1	87	0.06	2625	1	152	24T32RF(R)2	58	0.06	152	0.90	0.00	0
305A	Waiting Rm.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
305A	Waiting Rm.	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
305A	Waiting Rm.	C13R(CF)2	3	30	0.09	2625		236	C13R(CF)2	30	0.09	236	0.90	0.00	0
305	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
306	Office	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
307	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
308	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
309	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
310	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
311	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
303A	Open Office	24T32RF3	20	87	1.68	2625	2	4,415	24T32RF(R)2	58	1.16	3,045	0.90	0.47	1,233
303A	Open Office	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
303	Work Room	24T32RF3	6	87	0.52	2625		1,370	24T32RF(R)2	58	0.35	914	0.90	0.16	411
300	Office Area	24T32RF3	11	87	0.96	2625		2,512	24T32RF(R)2	58	0.64	1,675	0.90	0.29	754
300B	Men's Restroom	C13C(CF)2	5	30	0.15	2625		394	C13C(CF)2	30	0.15	394	0.90	0.00	0
300B	Men's Restroom	S32RF2	1	58	0.06	2625		152	S32RF2	58	0.06	152	0.90	0.00	0
300A	Women's Restroom	C13C(CF)2	6	30	0.18	2625		473	C13C(CF)2	30	0.18	473	0.90	0.00	0
300A	Women's Restroom	S32RF2	1	58	0.06	2625		152	S32RF2	58	0.06	152	0.90	0.00	0
330	Corridor	24T32RF3	4	87	0.35	3875		1,349	24T32RF(R)2	58	0.23	899	0.90	0.10	405
330	Corridor	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
331	Jan. Closet	C16R(CF)2	1	32	0.03	500		16	C16R(CF)2	32	0.03	16	0.33	0.00	0
331	S. Stair Tower (3rd Floor)	W32WF(em)2	1	78	0.08	3875		302	W32WF(em)2	52	0.05	202	0.90	0.02	91
331	S. Stair Tower (3rd Floor)	W34WF2	1	78	0.08	3875		302	W32WF(em)2	52	0.05	202	0.90	0.02	91
330	Break Room	24T32RF3	2	87	0.15	2625	1	341	24T32RF(R)2	58	0.12	305	0.90	0.03	69
329	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
328	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
327	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
326	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
325	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
335	Work Room	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (13) Human Services
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
335	Work Room	W34CF2	1	78	0.08	2625		205	W32CF(Lo)2	52	0.05	137	0.90	61
325A	Open Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	274
325A	Open Office	X(g)2C(LED)1	3	2	0.01	8759.52		53	X(g)2C(LED)1	2	0.01	53	0.90	0
325A	Open Office	W20TF1	1	20	0.02	2625		53	W17TF(Lo)1	17	0.02	45	0.90	7
325A	Open Office	W25TF1	1	25	0.03	2625		66	W25TF1	25	0.03	66	0.90	0
324	Conference Rm.	24T32RF3	5	87	0.44	250		109	24T32RF(R)2	58	0.29	73	0.17	33
323	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
333	File Rm.	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	58	0.12	58	0.33	26
332	File Rm.	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	58	0.06	29	0.33	13
260A	N. Stair Lobby	W34WF(em)2	1	78	0.08	3875		302	W32WF(emLo)2	52	0.05	202	0.90	91
260A	N. Stair Lobby	W34WF2	1	78	0.08	3875		302	W32WF(Lo)2	52	0.05	202	0.90	91
260A	2nd Floor Elev. Lobby	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	206
260A	2nd Floor Elev. Lobby	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0
240	Conference Rm.	24T32RF(Dim)3	6	87	0.46	250	2	116	24T32RF(R)2	58	0.35	87	0.17	26
202A	Corridor	24T32RF3	4	87	0.35	3875		1,349	24T32RF(R)2	58	0.23	899	0.90	405
202	Break Room	24T32RF3	5	87	0.44	2625		1,142	24T32RF(R)2	58	0.29	761	0.90	343
203	Dist. Atty.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
203	Dist. Atty.	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0
224	Conference Rm.	24T32RF3	4	87	0.35	250		87	24T32RF(R)2	58	0.23	58	0.17	26
224A	Open Office	24T32RF3	10	87	0.81	2625	2	2,132	24T32RF(R)2	58	0.58	1,523	0.90	548
224A	Open Office	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0
206	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
207	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
208	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
209	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
210	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
211	Office	24T32RF3	2	87	0.12	2625	2	305	24T32RF(R)2	58	0.12	305	0.90	0
212	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
212	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	137
211A	Corridor	24T32RF3	3	87	0.26	3875		1,011	24T32RF(R)2	58	0.17	674	0.90	303
212A	Open Office	24T32RF3	5	87	0.41	2625	1	1,066	24T32RF(R)2	58	0.29	761	0.90	274
212A	Open Office	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS		
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Demand (kW)	Energy (kWh)
213	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
214	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
215	Office	24T32RF3	2	87	0.12	2625	2	305	24T32RF(R)2	58	0.12	305	0.90	0.00	0
216	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
216A	Open Office	24T32RF3	7	87	0.61	2625		1,599	24T32RF(R)2	58	0.41	1,066	0.90	0.18	480
216A	Open Office	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
217	Office	24T32RF3	2	87	0.06	2625	4	152	24T32RF(R)2	58	0.12	305	0.90	-0.05	-137
218	Office	24T32RF3	2	87	0.06	2625	4	152	24T32RF(R)2	58	0.12	305	0.90	-0.05	-137
220	Roof Access	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
221	Comp. Closet	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	58	0.06	29	0.33	0.01	13
219	Office	24T32RF3	2	87	0.15	2625	1	381	24T32RF(R)2	58	0.12	305	0.90	0.03	69
222A	Corridor	24T32RF3	4	87	0.29	3875	2	1,124	24T32RF(R)2	58	0.23	899	0.90	0.05	202
222	Conference Rm.	24T32RF3	1	87	0.09	250		22	24T32RF(R)2	58	0.06	15	0.17	0.00	7
223	Dead Files	24T32RF3	5	87	0.32	500	4	160	24T32RF(R)2	58	0.29	145	0.33	0.01	13
205	File Rm.	24T32RF3	4	87	0.35	500		174	24T32RF(R)2	58	0.23	116	0.33	0.03	52
240A	Corridor	24T32RF3	2	87	0.17	3875		674	24T32RF(R)2	58	0.12	450	0.90	0.05	202
240A	Corridor	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
240	Conference Rm.	24T34RF(Dim)3	6	117	0.70	250		176	24T32RF(Dim)2	58	0.35	87	0.17	0.05	80
225	Oak Conference	24T32RF3	20	87	1.57	250	6	392	24T32RF(R)2	58	1.16	290	0.17	0.06	91
225	Oak Conference	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
225A	Men's Restroom	C13R(CF)2	3	30	0.09	2625		236	C13R(CF)2	30	0.09	236	0.90	0.00	0
225A	Men's Restroom	S32RF2	1	58	0.06	2625		152	S32RF2	58	0.06	152	0.90	0.00	0
225A	Jan. Closet	S32WF2	1	58	0.06	500		29	S32WF2	58	0.06	29	0.33	0.00	0
225A	Women's Restroom	C13R(CF)2	4	30	0.12	2625		315	C13R(CF)2	30	0.12	315	0.90	0.00	0
225A	Women's Restroom	S32RF2	1	58	0.06	2625		152	S32RF2	58	0.06	152	0.90	0.00	0
225A	Corridor	24T32RF3	4	87	0.35	3875		1,349	24T32RF(R)2	58	0.23	899	0.90	0.10	405
225A	Corridor	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
232A	Corridor	24T32RF3	4	87	0.35	3875		1,349	24T32RF(R)2	58	0.23	899	0.90	0.10	405
232A	Corridor	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
232	Mechanical Rm.	S32CF2	6	58	0.35	250		87	S32CF2	58	0.35	87	0.17	0.00	0
241	Tele-Data Closet	24T32RF3	2	87	0.17	250		44	24T32RF(R)2	58	0.12	29	0.17	0.01	13
243	Storage	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	58	0.17	87	0.33	0.03	39

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Numb: of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
242A	Corridor	24T32RF3	3	87	0.26	3875		1,011	24T32RF(R)2	58	0.17	674	0.90	0.08
242A	Corridor	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00
244	Break Room	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05
242	Conference Rm	24T32RF(Dim)3	2	87	0.17	250		44	24T32RF(Dim)2	58	0.12	29	0.17	0.01
245	Tele-Data	S32WF2	1	58	0.06	2625		152	S32WF2	58	0.06	152	0.90	0.00
268A	Corridor	24T32RF3	3	87	0.26	3875		1,011	24T32RF(R)2	58	0.17	674	0.90	0.08
268A	Corridor	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00
268	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05
266	Visitation A	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
267	Visitation B	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
269	Visitation C	24T32RF3	6	87	0.52	2625		1,370	24T32RF(R)2	58	0.35	914	0.90	0.16
276	Audio/Visual Rm.	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
276	Audio/Visual Rm.	W34TF1	2	34	0.07	2625		179	W32TF(Lo)1	30	0.06	158	0.90	0.01
270A	Corridor	24T32RF3	6	87	0.52	3875		2,023	24T32RF(R)2	58	0.35	1,349	0.90	0.16
270A	Corridor	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00
270	Storage	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	58	0.06	29	0.33	0.01
270B	Restroom	24T32RF3	1	87	0.06	2625	1	152	24T32RF(R)2	58	0.06	152	0.90	0.00
274A	Open Office	24T32RF3	9	87	0.78	2625		2,055	24T32RF(R)2	58	0.52	1,370	0.90	0.23
274A	Open Office	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00
274	Int. Rm.	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
280	Waiting Rm.	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10
280	Waiting Rm.	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00
275	Visitation Rm.	24T34RF(Dim)3	3	117	0.70	2625		1,843	24T32RF(Dim)2	58	0.35	914	0.90	0.32
263	Visitation Rm.	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
264	Guest Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
265	Guest Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
290A	Corridor	24T32RF3	7	87	0.61	3875		2,360	24T32RF(R)2	58	0.41	1,573	0.90	0.18
290A	Corridor	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00
290	Legal Dept.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05
291	Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10
292	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05
282	Resource Rm.	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (13) Human Services
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
293	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
294	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
295	Office	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
296	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
297	Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10	274
298	Open Office	24T32RF3	56	87	4.87	2625		12,789	24T32RF(R)2	58	3.25	8,526	0.90	1.46	3,837
298	Open Office	X(g)2C(LED)1	4	2	0.01	8759.52		70	X(g)2C(LED)1	2	0.01	70	0.90	0.00	0
284	Mechanical Rm.	S32PF2	4	58	0.20	250	1	51	S32PF2	58	0.23	58	0.17	0.00	-7
284	Mechanical Rm.	S32PF2	2	58	0.12	250		29	S32PF2	58	0.12	29	0.17	0.00	0
287	Jan. Closet	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	58	0.06	29	0.33	0.01	13
284A	Men's Restroom	C13R(CF)2	3	30	0.09	2625		236	C13R(CF)2	30	0.09	236	0.90	0.00	0
284A	Men's Restroom	S32RF1	1	30	0.03	2625		79	S32RF1	30	0.03	79	0.90	0.00	0
284B	Women's Restroom	C13R(CF)2	2	30	0.06	2625		158	C13R(CF)2	30	0.06	158	0.90	0.00	0
284B	Women's Restroom	S32RF1	1	30	0.03	2625		79	S32RF1	30	0.03	79	0.90	0.00	0
284B	N. Stair Lobby	W34WF(em)2	2	78	0.16	3875		605	W32WF(em)Lo2	52	0.10	403	0.90	0.05	181
284B	N. Stair Lobby	W34WF2	1	78	0.08	3875		302	W32WF(Lo)2	52	0.05	202	0.90	0.02	91
175	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
176	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
177	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
178	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
179	Office	24T32RF3	2	87	0.15	2625	1	381	24T32RF(R)2	58	0.12	305	0.90	0.03	69
180	Sprinkler Rm.	24T32RF3	1	87	0.09	250		22	24T32RF(R)2	58	0.06	15	0.17	0.00	7
181	Mechanical Rm.	S32WF2	1	58	0.06	250		15	S32WF2	58	0.06	15	0.17	0.00	0
182	Coffee Rm.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
183	Copy Rm.	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
180	Elect. Rm.	S32PF2	2	58	0.12	250		29	S32PF2	58	0.12	29	0.17	0.00	0
180	Elect. Rm.	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	0.00	6
184	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
174	Work Room	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
170	Open Office	24T32RF3	2	87	0.12	2625	2	305	24T32RF(R)2	58	0.12	305	0.90	0.00	0
170	Open Office	24T32RF3	50	87	4.29	2625	2	11,267	24T32RF(R)2	58	2.90	7,613	0.90	1.25	3,289
170	Open Office	X(g)2C(LED)1	6	2	0.01	8759.52		105	X(g)2C(LED)1	2	0.01	105	0.90	0.00	0

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
199A	Corridor	24T32RF3	10	87	0.87	3875		3,371	24T32RF(R)2	58	0.58	2,248	0.90	0.26
199A	Corridor	X(g)2C(LED)1	4	2	0.01	8759.52		70	X(g)2C(LED)1	2	0.01	70	0.90	0.00
199A	Corridor	C26R(CF)2	2	52	0.10	3875		403	C26R(CF)2	52	0.10	403	0.90	0.00
199B	Women's Restroom	S32CF2	1	58	0.06	2625		152	S32CF2	58	0.06	152	0.90	0.00
199B	Women's Restroom	C18R(CF)2	3	42	0.13	2625		331	C18R(CF)2	42	0.13	331	0.90	0.00
199C	Men's Restroom	S32CF2	1	58	0.06	2625		152	S32CF2	58	0.06	152	0.90	0.00
199C	Men's Restroom	C18R(CF)2	3	42	0.13	2625		331	C18R(CF)2	42	0.13	331	0.90	0.00
199	Storage	24T32RF3	2	87	0.15	500	1	73	24T32RF(R)2	58	0.12	58	0.33	0.01
167	Jan. Closet	W32CF2	1	58	0.06	500		29	W32CF2	58	0.06	29	0.33	0.00
166	Tele-Data Rm.	24T32RF3	2	87	0.15	2625	1	381	24T32RF(R)2	58	0.12	305	0.90	0.03
165	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
164	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
163	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
160	Conference Rm.	24T32RF3	5	87	0.44	250		109	24T32RF(R)2	58	0.29	73	0.17	0.02
162	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03
142	Inform. Serv.	24T32RF3	9	87	0.75	2625	1	1,979	24T32RF(R)2	58	0.52	1,370	0.90	0.21
142	Inform. Serv.	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00
143	i.S. Lab	24T32RF3	1	87	0.06	2625	1	152	24T32RF(R)2	58	0.06	152	0.90	0.00
144	Server Rm.	24T32RF3	8	87	0.67	250		167	24T32RF(R)2	58	0.46	116	0.17	0.03
144	Server Rm	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00
152	Mechanical Rm.	S32PF2	6	58	0.23	250	4	58	S32PF2	58	0.35	87	0.17	-0.02
152A	Mechanical Rm.	S32PF2	3	58	0.17	250		44	S32PF2	58	0.17	44	0.17	0.00
152B	Mechanical Rm.	S32PF2	2	58	0.09	250	1	22	S32PF2	58	0.12	29	0.17	0.00
170	Open Entry	24T32RF3	25	87	2.18	2625		5,709	24T32RF(R)2	58	1.45	3,806	0.90	0.65
170	Open Entry	X(g)2C(LED)1	4	2	0.01	8759.52		70	X(g)2C(LED)1	2	0.01	70	0.90	0.00
170	Open Entry	C18R(CF)2	3	42	0.13	2625		331	C18R(CF)2	42	0.13	331	0.90	0.00
170	Women's Restroom	C13R(CF)2	5	30	0.14	2625	1	364	C13R(CF)2	30	0.15	394	0.90	-0.01
170	Men's Restroom	C13R(CF)2	4	30	0.12	2625		315	C13R(CF)2	30	0.12	315	0.90	0.00
130	Sheriff's Office	24T32RF3	5	87	0.49	2625	1	1,294	24T32RF(R)2	58	0.35	914	0.90	0.13
130	Sheriff's Office	X(g)2C(LED)1	3	2	0.01	8759.52		53	X(g)2C(LED)1	2	0.01	53	0.90	0.00
130	Corridor	C18R(CF)2	1	42	0.04	3875		163	C18R(CF)2	42	0.04	163	0.90	0.00
132	Briefing Rm.	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
140	Break Room	C18R(CF)2	4	42	0.17	2625		441	C18R(CF)2	42	0.17	441	0.90	0.00	0
139	Elev. Rm	S32WF2	1	58	0.06	2625		152	S32WF2	58	0.06	152	0.90	0.00	0
138	Storage	W32CF2	1	58	0.06	500		29	W32CF2	58	0.06	29	0.33	0.00	0
133	Locker	24T32RF3	1	87	0.03	2625	2	76	24T32RF(R)2	58	0.06	152	0.90	-0.03	-69
134	Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	58	0.12	58	0.33	0.02	26
135	Report Writing	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
135	Report Writing	W32TF1	5	32	0.16	2625		420	W32TF1	32	0.16	420	0.90	0.00	0
135	Report Writing	C18R(CF)2	2	42	0.08	2625		221	C18R(CF)2	42	0.08	221	0.90	0.00	0
136	Invest. Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
137	Sergeants Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
103	Corridor	24T32RF3	4	87	0.35	3875		1,349	24T32RF(R)2	58	0.23	899	0.90	0.10	405
103	Corridor	X(g)2C(LED)1	3	2	0.01	8759.52		53	X(g)2C(LED)1	2	0.01	53	0.90	0.00	0
103	Corridor	C18R(CF)2	1	42	0.04	3875		163	C18R(CF)2	42	0.04	163	0.90	0.00	0
103	Judicial Serv.	24T32RF3	3	87	0.23	2625	1	609	24T32RF(R)2	58	0.17	457	0.90	0.05	137
103	Judicial Serv.	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
105	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
105	Office	W20TF1	2	20	0.04	2625		105	W17TF(Lo)1	17	0.03	89	0.90	0.01	14
106	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
106	Office	W20TF1	2	20	0.04	2625		105	W17TF(Lo)1	17	0.03	89	0.90	0.01	14
107	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
108	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
109	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
110	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
111	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
112	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
119	File Rm.	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	58	0.12	58	0.33	0.02	26
113	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
114	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
115	Storage	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	58	0.06	29	0.33	0.01	13
117	Work Room	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
116	Conference Rm.	24T32RF3	3	87	0.26	250		65	24T32RF(R)2	58	0.17	44	0.17	0.01	20
104	Open Office & Corridors	24T32RF3	13	87	1.13	2625		2,969	24T32RF(R)2	58	0.75	1,979	0.90	0.34	891

Project: **Arapahoe County**

Job No.

DWCES30219Building: **(13) Human Services**

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
104	Open Office & Corridors	X(g)2C(LED)1	3	2	0.01	8759.52		53	X(g)2C(LED)1	2	0.01	53	0.90	0.00	0
121A	Corridor	24T32RF3	10	87	0.87	3875		3,371	24T32RF(R)2	58	0.58	2,248	0.90	0.26	1,011
121A	Corridor	X(g)2C(LED)1	4	2	0.01	8759.52		70	X(g)2C(LED)1	2	0.01	70	0.90	0.00	0
121A	Corridor	C20R(CF)2	3	40	0.12	3875		465	C20R(CF)2	40	0.12	465	0.90	0.00	0
121A	Men's Restroom	C20R(CF)2	3	40	0.12	2625		315	C20R(CF)2	40	0.12	315	0.90	0.00	0
121A	Men's Restroom	S32WF2	1	58	0.06	2625		152	S32WF2	58	0.06	152	0.90	0.00	0
121A	Women's Restroom	C20R(CF)2	3	40	0.12	2625		315	C20R(CF)2	40	0.12	315	0.90	0.00	0
121A	Women's Restroom	S32WF2	1	58	0.06	2625		152	S32WF2	58	0.06	152	0.90	0.00	0
121A	Parking Garage	Q150W(HPS)1	19	188	3.57	8759.52		31,289	Q150W(HPS)1	188	3.57	31,289	0.90	0.00	0
121A	Parking Garage	WP150W(HPS)1	12	188	2.26	8759.52		19,761	WP150W(HPS)1	188	2.26	19,761	0.90	0.00	0
123	Records Info. Man.	24T32RF3	16	87	1.39	2625		3,654	24T32RF(R)2	58	0.93	2,436	0.90	0.42	1,096
125	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
123A	Open Office	24T32RF3	25	87	2.18	2625		5,709	24T32RF(R)2	58	1.45	3,806	0.90	0.65	1,713
123A	Open Office	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
123B	File Rm.	24T32RF3	19	87	1.65	500		827	24T32RF(R)2	58	1.10	551	0.33	0.17	248
123B	File Rm.	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
121	Jan. Closet	S34WF2	1	78	0.08	500		39	S32WF(L)2	52	0.05	26	0.33	0.01	12
Total kW:								191,866.17	48.00				190.40	13.71	37,677

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Job No. **DWCES30129**

Project: **Arapahoe County**

Building: **(14) Plaza West BLDG**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
101	Court Rm. C1	24T32RF3	8	87	0.70	1500		1,044	24T32RF(R)2	59	0.47	708	0.90	0.20	302
101	Court Rm. C1	S40RF2	4	86	0.34	1500		516	S32RF(LoT)2	51	0.20	306	0.90	0.13	189
101	Court Rm. C1	C25R(dim)1	10	25	0.25	1500		375	C25R(dim)1	25	0.25	375	0.90	0.00	0
101	Court Rm. C1	S40RF2	2	86	0.17	1500		258	S32RF(LoT)2	51	0.10	153	0.90	0.06	95
101	Court Rm. C1	S40RF2	1	72	0.07	1500		108	S32RF(Lo)2	52	0.05	78	0.90	0.02	27
101	Court Rm. C1	S40CF1	7	43	0.30	1500		452	S32CF(Lo)1	29	0.20	305	0.90	0.09	132
101	Court Rm. C1	X(g)2C(LED)1	2	6	0.01	8759.52		105	X(R)2C(LED)1	6	0.01	105	0.90	0.00	0
119	Court Rm. A3	24T32RF3	10	87	0.87	1500		1,305	24T32RF(R)2	59	0.59	885	0.90	0.25	378
119	Court Rm. A3	S40RF2	4	86	0.34	1500		516	S32RF(LoT)2	51	0.20	306	0.90	0.13	189
119	Court Rm. A3	S40RF2	2	86	0.17	1500		258	S32RF(LoT)2	51	0.10	153	0.90	0.06	95
119	Court Rm. A3	S40RF2	1	72	0.07	1500		108	S32RF(Lo)2	52	0.05	78	0.90	0.02	27
119	Court Rm. A3	C25R(dim)1	10	25	0.25	1500		375	C25R(dim)1	25	0.25	375	0.90	0.00	0
119	Court Rm. A3	S40CF1	9	43	0.39	1500		581	S32CF(Lo)1	29	0.26	392	0.90	0.11	170
119	Court Rm. A3	X(g)2C(LED)1	2	6	0.01	8759.52		105	X(R)2C(LED)1	6	0.01	105	0.90	0.00	0
120	Small Claims Court	24T34RF3	5	115	0.58	1500		863	24T32RF(R)2	59	0.30	443	0.90	0.25	378
120	Small Claims Court	22T32RF(u)2	1	59	0.06	1500		89	22T17RF(R)2	33	0.03	50	0.90	0.02	35
120	Small Claims Court	S32RF1	4	31	0.12	1500		186	S32RF1	31	0.12	186	0.90	0.00	0
120	Small Claims Court	C100R(dim)1	4	100	0.40	1500		600	C100R(dim)1	100	0.40	600	0.90	0.00	0
120	Small Claims Court	X(g)2C(LED)1	2	6	0.01	8759.52		105	X(R)2C(LED)1	6	0.01	105	0.90	0.00	0
212	Court Rm. A1	24T32RF3	12	87	1.04	1500		1,566	24T32RF(R)2	59	0.71	1,062	0.90	0.30	454
212	Court Rm. A1	S40RF2	4	86	0.34	1500		516	S32RF(LoT)2	51	0.20	306	0.90	0.13	189
212	Court Rm. A1	S40RF2	2	86	0.17	1500		258	S32RF(LoT)2	51	0.10	153	0.90	0.06	95
212	Court Rm. A1	S40RF2	1	72	0.07	1500		108	S32RF(Lo)2	52	0.05	78	0.90	0.02	27
212	Court Rm. A1	C60R(dim)1	10	60	0.60	1500		900	C60R(dim)1	60	0.60	900	0.90	0.00	0
212	Court Rm. A1	S34CF1	9	43	0.39	1500		581	S32CF(Lo)1	29	0.26	392	0.90	0.11	170
212	Court Rm. A1	X(g)2C(LED)1	2	6	0.01	8759.52		105	X(R)2C(LED)1	6	0.01	105	0.90	0.00	0
228	Holding Area	C18R(CF)2	3	36	0.11	2625		284	C18R(CF)2	36	0.11	284	0.90	0.00	0
237	Toilet	2W17WF2	1	33	0.03	2625		87	2W17WF2	33	0.03	87	0.90	0.00	0
237	Cell	14T32RF2	1	59	0.06	2625		155	14T32RF2	59	0.06	155	0.90	0.00	0
200	Court Rm. A2	24T32RF3	12	87	1.04	1500		1,566	24T32RF(R)2	59	0.71	1,062	0.90	0.30	454
200	Court Rm. A2	S40RF2	4	86	0.34	1500		516	S32RF(LoT)2	51	0.20	306	0.90	0.13	189

Project: Arapahoe County
Building: (14) Plaza West BLDG

Job No. DWCES30129

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
200	Court Rm. A2	S40RF2	2	86	0.17	1500		258	S32RF(Lo)T/2	51	0.10	153	0.90	0.06	96
200	Court Rm. A2	S34RF2	1	72	0.07	1500		108	S32RF(Lo)2	52	0.05	78	0.90	0.02	27
200	Court Rm. A2	S34RF2	1	72	0.07	1500		108	S32RF(Lo)2	52	0.05	78	0.90	0.02	27
200	Court Rm. A2	C150C(dim)1	10	150	1.50	1500		2,250	C150C(dim)1	150	1.50	2,250	0.90	0.00	0
200	Court Rm. A2	X(g)2C(LED)1	4	6	0.02	8759.52		210	X(R)2C(LED)1	6	0.02	210	0.90	0.00	0
200	Court Rm. A2	S34RF1	11	43	0.47	1500		710	S32RF(Lo)1	29	0.32	479	0.90	0.14	208
200	S. Stair Tower 2nd Flr.	W34WF(em)2	1	72	0.07	3875		279	W32WF(em)Lo2	52	0.05	202	0.90	0.02	70
200	S. Stair Tower 2nd Flr.	X(g)2W(LED)1	1	6	0.01	8759.52		53	X(g)2W(LED)1	6	0.01	53	0.90	0.00	0
200	S. Stair Tower 2nd Flr.	W34WF2	3	72	0.22	3875		837	W32WF(Lo)2	52	0.16	605	0.90	0.05	209
203	Judge's Chamber	24T32RF3	4	87	0.26	2625	3	685	24T32RF(R)2	59	0.24	620	0.90	0.02	59
203	Rest Rm.	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50
204	Office A2	24T32RF3	5	87	0.44	2625		1,142	24T32RF(R)2	59	0.30	774	0.90	0.13	331
233	A2 Jury Rm.	24T34RF3	5	115	0.58	500		288	24T32RF(R)2	59	0.30	148	0.33	0.08	126
234	Rest Rm.	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50
235	Corridor	22T32RF(u)2	2	59	0.12	3875		457	22T17RF(R)2	33	0.07	256		0.05	181
235	Corridor	24T32RF3	2	87	0.17	3875		574	24T32RF(R)2	59	0.12	457	0.90	0.05	195
235	Corridor	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(R)2C(LED)1	6	0.01	53	0.90	0.00	0
221	Corridor	24T32RF3	7	87	0.61	3875		2,360	24T32RF(R)2	59	0.41	1,600	0.90	0.18	684
221	Corridor	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(R)2C(LED)1	6	0.01	53	0.90	0.00	0
232	Locker Rm.	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	59	0.06	155	0.90	0.03	66
236	Office	24T32RF3	1	87	0.08	2625		228	24T32RF(R)2	59	0.06	155	0.90	0.03	66
205	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
206	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	59	0.06	155	0.90	0.03	66
207	Break Rm.	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	59	0.18	465	0.90	0.08	199
238A	Tele. Rm.	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	59	0.06	30	0.33	0.01	13
238	District Atty.	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	59	0.18	465	0.90	0.08	199
208	File Rm.	24T32RF3	4	87	0.35	500		174	24T32RF(R)2	59	0.24	118	0.33	0.03	50
209	A-1 Div. Office	24T32RF3	5	87	0.44	2625		1,142	24T32RF(R)2	59	0.30	774	0.90	0.13	331
210	A1 Judge's Chamber	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	59	0.24	620	0.90	0.10	285
210	A1 Judge's Chamber	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50
218	A1 Jury Rm.	24T34RF3	5	115	0.58	500		288	24T32RF(R)2	59	0.30	148	0.33	0.08	126
218	Rest Rm.	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50

hrs. The demand savings are not fully claimed.

Job No. DWGES30129

Project: Arapahoe County

Building: (14) Plaza West BLDG

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
217	Corridor	24T34RF3	1	115	0.04	3875	2	149	24T32RF(R)2	59	0.06	229	0.90	-0.02	-72
215A	Waiting Rm.	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	59	0.24	620	0.90	0.10	265
216	Conference Rm.	24T34RF3	2	115	0.23	250		58	24T32RF(R)2	59	0.12	30	0.17	0.02	25
215	Collection Inv.	24T34RF3	3	115	0.27	2625	2	704	24T32RF(R)2	59	0.18	465	0.90	0.08	216
214	Office	24T34RF3	2	115	0.15	2625	2	403	24T32RF(R)2	59	0.12	310	0.90	0.03	84
214	Atrium	C13R(CF)1	10	13	0.10	2625	2	273	C13R(CF)1	13	0.13	341	0.90	-0.02	-61
214	Atrium	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(R)2C(LED)1	6	0.01	53	0.90	0.00	0
226	Storage	O60W11	1	60	0.06	250		15	Q13R(CF)2	31	0.03	8	0.17	0.00	7
229	A2 Conference Rm.	24T34RF3	2	115	0.23	250		58	24T32RF(R)2	59	0.12	30	0.17	0.02	25
224	Women's Restroom	C13R(CF)1	4	13	0.05	2625		137	C13R(CF)1	13	0.05	137	0.90	0.00	0
225	Men's Restroom	C13R(CF)1	4	13	0.05	2625		137	C13R(CF)1	13	0.05	137	0.90	0.00	0
227	Corridor	24T32RF3	6	87	0.52	3875		2,023	24T32RF(R)2	59	0.35	1,372	0.90	0.15	586
226	Closet	O150C11	1	150	0.15	250		38	S32CF(Lo)2	52	0.05	13	0.17	0.01	22
139	Rest Rm.	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50
108	Holding Area	W34CF4	2	144	0.22	2625	2	567	W32CF(Lo)4	102	0.20	536	0.90	0.01	28
109	Cell @ 2	14T34RF2	2	72	0.14	2625		378	14T32RF(Lo)2	52	0.10	273	0.90	0.04	95
104	File Rm.	24T32RF3	17	87	1.48	500		740	24T32RF(R)2	59	1.00	502	0.33	0.14	214
104	File Rm.	X(g)2C(LED)1	2	6	0.01	8759.52		105	X(R)2C(LED)1	6	0.01	105	0.90	0.00	0
104	Rest Rm.	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50
105	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	59	0.06	155	0.90	0.03	66
141	Storage												0.00		
112	Clerk of Ct.	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	59	0.18	465	0.90	0.08	199
113	File Rm.	24T32RF3	9	87	0.78	500		392	24T32RF(R)2	59	0.53	266	0.33	0.08	113
129	Corridor	24T32RF3	4	87	0.35	3875		1,349	24T32RF(R)2	59	0.24	915	0.90	0.10	391
129	Corridor	X(g)2C(LED)1	2	6	0.01	8759.52		105	X(R)2C(LED)1	6	0.01	105	0.90	0.00	0
114	Judge's Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	59	0.24	620	0.90	0.10	285
137	Rest Rm.	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50
115	Clerk	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	59	0.18	465	0.90	0.08	199
116	A3 Div. Office	24T32RF3	6	87	0.52	2625		1,370	24T32RF(R)2	59	0.35	929	0.90	0.15	397
117	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
117	Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	59	0.24	620	0.90	0.10	265
117	Rest Rm.	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(14) Plaza West BLDG**
Job No: **DWGES30129**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
124	Jury Rm.	24T34RF3	4	115	0.46	500		230	24T32RF(R)2	59	0.24	118	0.33	0.07	101
125	Rest Rm.	2W20WF2	1	50	0.05	2625		131	2W17WF(Lo)2	29	0.03	76	0.90	0.02	50
127	Storage	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	59	0.06	30	0.33	0.01	13
126	Corridor	24T32RF3	3	87	0.26	3875		1,011	24T32RF(R)2	59	0.18	686	0.90	0.08	293
126	Corridor	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(R)2C(LED)1	6	0.01	53	0.90	0.00	0
128	Conference Rm. C1	24T32RF3	1	87	0.09	250		22	24T32RF(R)2	59	0.06	15	0.17	0.00	6
130	Women's Restroom	C13R(CF)2	6	26	0.16	2625		410	C13R(CF)2	26	0.16	410	0.90	0.00	0
134	Jan. Closet												0.00		
131	Men's Restroom	C13R(CF)2	6	26	0.16	2625		410	C13R(CF)2	26	0.16	410	0.90	0.00	0
131	Closet												0.00		
135	Corridor	24T32RF3	3	87	0.26	3875		1,011	24T32RF(R)2	59	0.18	686	0.90	0.08	293
135	Corridor	X(g)2W(LED)1	1	6	0.01	8759.52		53	X(g)2W(LED)1	6	0.01	53	0.90	0.00	0
100	1st. Flr. Atrium	C18R(CF)1	5	18	0.09	2625		236	C18R(CF)1	18	0.09	236	0.90	0.00	0
100	1st. Flr. Atrium	X(g)2W(LED)1	1	6	0.01	8759.52		53	X(g)2W(LED)1	6	0.01	53	0.90	0.00	0
132	Elev. Equip. Rm.	S32CF2	1	59	0.06	250		15	S32CF2	59	0.06	15	0.17	0.00	0
122	Vest.	24T34RF3	1	115	0.12	2625		302	24T32RF(R)2	59	0.06	155	0.90	0.05	132
122	Office	24T34RF3	1	115	0.12	2625		302	24T32RF(R)2	59	0.06	155	0.90	0.05	132
121	Waiting	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
101	Waiting Rm.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
101	Waiting Rm.	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	59	0.18	465	0.90	0.08	199
Total kW:									Total kWh:				91.87	5.84	12,655

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (15) Federal Warehouse
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
001	Vestibule	24T32RF2	2	59	0.12	2250		286	24T32RF2	59	0.12	286	0.90	0.00	0
001	Vestibule	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(g)2C(LED)1	6	0.01	53	0.90	0.00	0
002	Main Lobby	8S32PF4	33	112	3.70	2250		8,316	8S32PF4	112	3.70	8,316	0.90	0.00	0
003	Reception Area	8S32PF4	6	112	0.67	2250		1,512	8S32PF4	112	0.67	1,512	0.90	0.00	0
003	Reception Area	8S32PF4	3	112	0.34	2250		756	8S32PF4	112	0.34	756	0.90	0.00	0
004	Computer Room	24T34RF(Lou)3	8	115	0.92	2250		2,070	24T32RF(R/Lou)2	59	0.47	1,062	0.90	0.40	907
004	Computer Room	24T40RF3	6	115	0.69	2250		1,553	24T32RF(R)2	59	0.35	797	0.90	0.30	680
004A	Office	W34CF2	2	72	0.14	2250		324	W32CF(Lo)2	52	0.10	234	0.90	0.04	81
005	Training Room	24T34RF4	16	144	2.30	2250		5,184	24T32RF(R)2	59	0.94	2,124	0.90	1.22	2,754
006	Open Office Area	8S32PF4	4	112	0.45	2250		1,008	8S32PF4	112	0.45	1,008	0.90	0.00	0
007	License plate	8S32PF4	3	112	0.34	2250		756	8S32PF4	112	0.34	756	0.90	0.00	0
007	License plate	8S32PF4	8	112	0.90	2250		2,016	8S32PF4	112	0.90	2,016	0.90	0.00	0
008	Election Machine Storage	8S32PF4	264	112	29.57	500		14,784	8S32PF4	112	29.57	14,784	0.33	0.00	0
008	Election Machine Storage	X(g)2C(LED)1	3	6	0.02	8759.52		158	X(g)2C(LED)1	6	0.02	158	0.90	0.00	0
H009	Hallway	24T32RF2	17	59	1.00	3750		3,761	24T32RF2	59	1.00	3,761	0.90	0.00	0
H009	Hallway	X(g)2C(LED)1	4	6	0.02	8759.52		210	X(g)2C(LED)1	6	0.02	210	0.90	0.00	0
010	Men RR	W34WF2	2	72	0.14	2250		324	W32WF(Lo)T2	51	0.10	230	0.90	0.04	85
010	Men RR	14T34RF2	5	72	0.36	2250		810	14T32RF(Lo)2	52	0.26	585	0.90	0.09	203
010A	Custodian	S34CF1	1	43	0.04	500		22	S32CF(Lo)1	29	0.03	15	0.33	0.00	6
011	Storage	22T32RF(u)2	1	59	0.06	500		30	22T32RF(u)2	59	0.06	30	0.33	0.00	0
011A	Women RR	14T34RF2	2	72	0.14	2250		324	14T32RF(Lo)2	52	0.10	234	0.90	0.04	81
011A	Women RR	W34WF2	1	72	0.07	2250		162	W32CF(Lo)2	52	0.05	117	0.90	0.02	41
012	South Dock	X(g)2C(LED)1	1	6	0.01	8759.52		53	X(g)2C(LED)1	6	0.01	53	0.90	0.00	0
012	South Dock	8S32PF4	12	112	1.34	2250		3,024	8S32PF4	112	1.34	3,024	0.90	0.00	0
012A	Information Tech	8S32PF4	20	112	2.24	2250		5,040	8S32PF4	112	2.24	5,040	0.90	0.00	0
013	Files Storage	8S32PF4	143	112	16.02	500		8,008	8S32PF4	112	16.02	8,008	0.33	0.00	0
013	Files Storage	8S32PF4	32	112	3.58	500		1,792	8S32PF4	112	3.58	1,792	0.33	0.00	0
013	Files Storage	8S32PF4	6	112	0.67	500		336	8S32PF4	112	0.67	336	0.33	0.00	0
014	Carpenter Shop	HB400P(MH)1	19	458	8.70	2250		19,580	HB32PF(R)6	174	3.31	7,439	0.90	4.96	10,927
014A	Prep Room	HB250P(MH/ep)1	6	295	1.77	2250		3,983	HB250P(MH/ep)1	295	1.77	3,983	0.90	0.00	0
014B	South Vestibule	S34CF2	1	72	0.07	2250		162	S32CF(Lo)2	52	0.05	117	0.90	0.02	41

Project: Arapahoe County

Job No.

DWGES30219

Building: (15) Federal Warehouse

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
014B	South Vestibule	X(g2C(LED)1	1	6	0.01	8759.52		53	X(g2C(LED)1	6	0.01	53	0.90	0.00	0
014C	Shop Tools	J150C(MHlep)1	1	190	0.19	2250		428	J150C(MHlep)1	190	0.19	428	0.90	0.00	0
014C	Shop Tools	J150C(MHlep)1	1	190	0.19	2250		428	J150C(MHlep)1	190	0.19	428	0.90	0.00	0
015E	Storage	24T32RF2	4	59	0.24	500		118	24T32RF2	59	0.24	118	0.33	0.00	0
015D	Men's RR	24T32RF2	3	59	0.18	2250		398	24T32RF2	59	0.18	398	0.90	0.00	0
015F	Custodian	24T32RF2	1	59	0.06	500		30	24T32RF2	59	0.06	30	0.33	0.00	0
015C	Women's RR	24T32RF2	3	59	0.18	2250		398	24T32RF2	59	0.18	398	0.90	0.00	0
015B	Lunch Room	24T32RF2	4	59	0.24	2250		531	24T32RF2	59	0.24	531	0.90	0.00	0
015A	Storage	W34WF2	2	72	0.14	500		72	W32CF(Lo)2	52	0.10	52	0.33	0.01	18
015	Receiving Area	8S32PF4	19	112	2.13	2250		4,788	8S32PF4	112	2.13	4,788	0.90	0.00	0
015	Receiving Area	8S32PF4	9	112	1.01	2250		2,268	8S32PF4	112	1.01	2,268	0.90	0.00	0
exterior	Front (east Bldg)	WP150W(MH)1	1	190	0.19	5109.72		971	WP150W(MH)1	190	0.19	971	0.90	0.00	0
exterior	Front (east Bldg)	C100R(MH)1	10	128	1.28	5109.72		6,540	C100R(MH)1	128	1.28	6,540	0.90	0.00	0
exterior	Left side (south Bldg)	WP150W(MH)1	4	190	0.76	5109.72		3,883	WP150W(MH)1	190	0.76	3,883	0.90	0.00	0
exterior	Back Side (West Bldg)	WP150W(MH)1	4	190	0.76	5109.72		3,883	WP150W(MH)1	190	0.76	3,883	0.90	0.00	0
exterior	Right Side (North Bldg)	WP150W(MH)1	4	190	0.76	5109.72		3,883	WP150W(MH)1	190	0.76	3,883	0.90	0.00	0
Total kW: 84.71									Total kWh: 115,045.27				37.20	7.04	15,823

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Job No. **DWCES30219**

Project: **Arapahoe County**

Building: **(16) CSU Extension Office**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
001	West Main Entry	D20P(CF)1	4	20	0.08	2125		170	D20P(CF)1	20	0.08	170	0.90	0.00	0
002	Office-Covelight	S34CF2	8	78	0.62	2125		1,326	S32CF(Lo)2	52	0.42	884	0.90	0.19	398
002	Office	G100P11	4	100	0.40	2125		850	G23P(CF)1	25	0.10	213	0.90	0.27	574
003	Copy Area	S34CF2	2	78	0.16	2125		332	S32CF(Lo)2	52	0.10	221	0.90	0.05	100
4/5/6	Office	W34PF2	4	78	0.31	2125		663	18W32PF(Lo)4	104	0.42	884	0.90	-0.09	-199
4/5/6	Office	W34PF2	1	78	0.08	2125		166	W32PF(Lo)2	52	0.05	111	0.90	0.02	50
4/5/6	Office	D13P(CF)2	10	26	0.26	2125		553	D13P(CF)2	26	0.26	553	0.90	0.00	0
006	Office	44B34RF6	2	234	0.47	2125		995	44B32RF(R)4	116	0.23	493	0.90	0.21	451
007	Office	44B34RF6	2	234	0.47	2125		995	44B32RF(R)4	116	0.23	493	0.90	0.21	451
008	Office	44B34RF6	1	234	0.23	2125		497	44B32RF(R)4	116	0.12	247	0.90	0.11	226
009	Office	44B34RF6	1	234	0.23	2125		497	44B32RF(R)4	116	0.12	247	0.90	0.11	226
010	Mechanical Rm	W34CF2	1	78	0.08	250		20	W32CF(Lo)2	52	0.05	13	0.17	0.00	6
011	Electrical Rm	W34CF2	1	78	0.08	250		20	W32CF(Lo)2	52	0.05	13	0.17	0.00	6
H012	Hallway	14B34PF2	1	78	0.08	3750		293	14B34PF(Lo)2	52	0.05	195	0.90	0.02	88
H012	Hallway	W32WF(Lo)2	3	52	0.16	3750		585	W32WF(Lo)2	52	0.16	585	0.90	0.00	0
013	Conference Rm	8S60PF4	4	242	0.97	250		242	18W32PF(R)4	116	0.46	116	0.17	0.08	113
013	Conference Rm	W34PF4	1	156	0.16	250		39	W32CF(R)4	52	0.05	13	0.17	0.02	23
013	Conference Rm	E34PF2	1	78	0.08	250		20	W32PF(Lo)2	52	0.05	13	0.17	0.00	6
014	Kitchen area	8S60CF2	2	121	0.24	3750		908	18W32PF(Lo)4	104	0.21	780	0.90	0.03	115
013	Hallway	8S60CF2	2	121	0.24	3750		908	18W32PF(Lo)4	104	0.21	780	0.90	0.03	115
015	Storage	8S60CF2	1	121	0.12	500		61	W32CF(Lo)4	104	0.10	52	0.33	0.01	8
016	Mechanical Rm	W34CF2	1	78	0.08	500		39	W32CF(Lo)2	52	0.05	26	0.33	0.01	12
017	Men RR	14B34CF2	1	78	0.08	3750		293	14B32CF(Lo)2	52	0.05	195	0.90	0.02	88
017.1	Janitor	R60CH1	1	60	0.06	3750		225	S32CF(Lo)2	52	0.05	195	0.90	0.01	27
018	Women RR	14B34CF2	1	78	0.08	3750		293	14B32CF(Lo)2	52	0.05	195	0.90	0.02	88
018	Women RR	W20WF2	1	48	0.05	3750		180	W17WF(Lo)2	32	0.03	120	0.90	0.01	54
020	Open Office	44B34RF6	6	234	1.40	3750		5,265	44B32RF(R)4	116	0.70	2,610	0.90	0.84	2,390
020	Open Office	8S75PF2	2	152	0.30	3750		1,140	18W32PF(Lo)4	104	0.21	780	0.90	0.09	324
H014	Hallway by RR	8S75PF2	2	152	0.30	3750		1,140	8S32PF(Lo)4	104	0.21	780	0.90	0.09	324
H014	Hallway by RR	R60CH1	1	60	0.06	3750		225	S32CF(Lo)2	52	0.05	195	0.90	0.01	27
Total kWh: 18,933.75									Total kW: 7.93				22.20	2.16	6,089

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES30219**
 Building: **(17) CSU Warehouse**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (ftW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
001	RR	W34CF2	1	78	0.08	250		20	W32CF(Lo)2	52	0.05	13	0.17	0.00	6
002	Training/ Office	24T34RF4	6	166	0.70	250	6	176	24T32RF(R)2	58	0.35	87	0.17	0.05	80
003	Meeting Space	8S75CF2	29	152	4.41	250		1,102	8S32CF(Lo)4	104	3.02	754	0.17	0.21	313
004	Storage #1	8S75CF2	7	152	1.06	250		266	8S32CF(Lo)4	104	0.73	182	0.17	0.05	76
005	Storage #2	8S75CF2	7	152	1.06	250		266	8S32CF(Lo)4	104	0.73	182	0.17	0.05	76
005	Storage #2	X(glb)20W/2	1	40	0.04	250		10	X(glb)2W(LED)1	2	0.00	1	0.17	0.01	9
Outside	North Building	WP150W(HPS)1	2	188	0.38	5109.72		1,921	WP150W(HPS)1	188	0.38	1,921	0.90	0.00	0
Outside	West Building	WP150W(HPS)1	3	188	0.56	5109.72		2,882	WP150W(HPS)1	188	0.56	2,882	0.90	0.00	0
									Total kW:				2.80	0.37	559
									Total kWh:						
									6,642.14						

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Job No. **DWCES30219**

Project: **Arapahoe County**

Building: **(20) Tri-County Health**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (KW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
200	Waiting Area	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08	180
201	Dental	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08	180
202	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04	90
203	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04	90
204	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04	90
205	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04	90
H200	Hallway	W34CF2	5	72	0.36	3750		1,350	W32CF(Lo)2	52	0.26	975	0.90	0.09	338
206A	Storage	W34CF4	1	144	0.14	500		72	W32CF(Lo)4	102	0.10	51	0.33	0.01	19
206B	Med.	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04	90
206C	Exam	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04	90
206D	RR	W34CF2	1	72	0.07	2375		171	W32CF(Lo)2	52	0.05	124	0.90	0.02	43
206D	RR	2W20WF2	1	50	0.05	2375		119	2W17WF2	33	0.03	78	0.90	0.02	36
202E	Exam	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04	90
207	Dental	W34CF2	2	72	0.14	2375		342	W32CF(Lo)2	51	0.10	242	0.90	0.04	90
207	Dental	W34CF2	1	72	0.07	2375		171	W32CF(Lo)2	52	0.05	124	0.90	0.02	43
H208	Hallway	W34CF2	2	72	0.14	3750		540	W32CF(Lo)2	52	0.10	390	0.90	0.04	135
209	Kitchen	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08	180
H211	Hallway	W34CF2	6	72	0.43	3750		1,620	W32CF(Lo)2	52	0.31	1,170	0.90	0.11	405
H210	Hallway	W34CF4	2	144	0.29	3750		1,080	W32CF(Lo)4	102	0.20	765	0.90	0.08	284
210	Office	W34CF4	4	144	0.58	2375		1,368	W32CF(Lo)4	102	0.41	969	0.90	0.15	359
210A	Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08	180
210B	Office	W34CF4	3	144	0.43	2375		1,026	W32CF(Lo)4	102	0.31	727	0.90	0.11	269
210C	Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08	180
210D	Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08	180
211	Office	W34CF4	3	144	0.43	2375		1,026	W32CF(Lo)4	102	0.31	727	0.90	0.11	269
211A	Exit	Q100R11	1	100	0.10	3750		375	Q23R(CF)1	23	0.02	86	0.90	0.07	260
212	Rest Room	W34CF2	1	72	0.07	2375		171	W32CF(Lo)2	52	0.05	124	0.90	0.02	43
212	Rest Room	2W20WF2	1	50	0.05	2375		119	2W17WF2	33	0.03	78	0.90	0.02	36
213	Rest Room	D65W11	1	52	0.05	2375		124	D15W(CF)1	15	0.02	36	0.90	0.03	79
214	Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08	180
214A	Reception Desk	C13R(CF)1	5	13	0.07	2375		154	C13W(CF)1	13	0.07	154	0.90	0.00	0

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(20) Tri-County Health**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy Demand (kW)
215	Lobby	D65W11	2	52	0.10	2375		247	D15W(CF)1	15	0.03	71	0.90	0.07
215	Lobby	W34CF2	3	72	0.22	2375		513	W32CF(Lo)2	52	0.16	371	0.90	0.05
216	WIC Office	W34CF2	6	72	0.43	2375		1,026	W32CF(Lo)2	51	0.31	727	0.90	0.11
216	WIC Office	W34CF2	3	72	0.22	2375		513	W32CF(Lo)2	52	0.16	371	0.90	0.05
216B	RD's Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08
216A	Office	W34CF2	2	72	0.14	2375		342	W32CF(Lo)2	52	0.10	247	0.90	0.04
217	Mail Room	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
218	Rest Room	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
218	Rest Room	W60W12	1	120	0.12	2375		285	2W17WF(ViLo)2	29	0.03	69	0.90	0.08
219	Rest Room	2W20WF2	1	50	0.05	2375		119	2W17WF2	33	0.03	78	0.90	0.02
219	Rest Room	W34CF2	1	72	0.07	2375		171	W32CF(Lo)2	52	0.05	124	0.90	0.02
100	Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08
101	Conference Room	W34CF4	2	144	0.29	250		72	W32CF(Lo)4	102	0.20	51	0.17	0.01
102	Storage	W34CF4	1	144	0.14	500		72	W32CF(Lo)4	102	0.10	51	0.33	0.01
103	Office	W34CF2	1	72	0.07	2375		171	W32CF(Lo)2	52	0.05	124	0.90	0.02
103	Office	C13R(CF)1	3	13	0.04	2375		93	C13W(CF)1	13	0.04	93	0.90	0.00
104	Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08
105	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
106	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
106A	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
106B	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
107	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
107A	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
108	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
108A	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
108B	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	0.04
109	Fax / Copy Room	D65W11	3	52	0.16	2375		371	D15W(CF)1	15	0.05	107	0.90	0.10
109	Fax / Copy Room	8S75CF2	1	123	0.12	2375		292	18S32CF(Lo)4	102	0.10	242	0.90	0.02
H100	Hallway	W34CF2	1	72	0.07	3750		270	W32CF(Lo)2	52	0.05	195	0.90	0.02
H100	Hallway	X(g)6CF1	1	9	0.01	8759.52		79	X(g)62C(LED)1	6	0.01	53	0.90	0.00
S109	Stairway	O65W11	1	65	0.07	3750		244	W32CF(Lo)2	52	0.05	195	0.90	0.01
110	Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	0.08

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES30219**
 Building: **(20) Tri-County Health**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
111	Nurse Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	180
112	Furnace Room	O65C(R30)1	2	65	0.13	250		33	Q13R(CF)2	31	0.06	16	0.17	15
112	Furnace Room	O18W(CF)1	1	18	0.02	250		5	Q13R(CF)2	31	0.03	8	0.17	-3
113	Office	W34CF4	3	144	0.43	2375		1,026	W32CF(Lo)4	102	0.31	727	0.90	269
S300	Stairway	W34CF2	2	72	0.14	3750		540	W32CF(Lo)2	52	0.10	390	0.90	135
300	Conference Room	W34CF4	6	144	0.86	250		216	W32CF(Lo)4	102	0.61	153	0.17	57
300	Conference Room	14T34RF2	2	72	0.14	250		36	14T32RF(Lo/T)2	51	0.10	26	0.17	10
300	Conference Room	14T34RF2	1	72	0.07	250		18	14T32RF(Lo)2	52	0.05	13	0.17	5
301	Office	W34CF4	2	144	0.29	2375		684	W32CF(Lo)4	102	0.20	485	0.90	180
302	Office	W34CF2	2	72	0.14	2375		342	W32CF(Lo)2	52	0.10	247	0.90	86
303	Office	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	90
304	Exam Room	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	90
305	Exam Room	W34CF4	1	144	0.14	2375		342	W32CF(Lo)4	102	0.10	242	0.90	90
Total kW: 17.06								Total kWh: 39,040.34	11.92				76.70	10,584

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES30219**
Building: **(23)Altura Plaza BLDG**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
B001	Sheriff Office	24T34RF4	2	156	0.16	8759.52	4	1,366	24T32RF(R)2	58	0.12	1,016	0.90	0.04
B002	Holding Cell	14T34RF2	2	78	0.16	8759.52		1,366	14T32RF(Lo)2	52	0.10	911	0.90	0.05
B003	Holding Cell	14T34RF2	2	78	0.16	8759.52		1,366	14T32RF(Lo)2	52	0.10	911	0.90	0.05
B004	Holding Cell	14T34RF2	2	78	0.16	8759.52		1,366	14T32RF(Lo)2	52	0.10	911	0.90	0.05
B005	Holding Cell	24T34RF4	1	156	0.16	8759.52		1,366	24T32RF(R)2	58	0.08	508	0.90	0.09
B006	Holding Cell	24T34RF4	1	156	0.16	8759.52		1,366	24T32RF(R)2	58	0.08	508	0.90	0.09
B007	Holding Cell	24T34RF4	1	156	0.08	8759.52	2	683	24T32RF(R)2	58	0.06	508	0.90	0.02
B008	Vacant	24T34RF4	9	156	1.40	500		702	24T32RF(R)2	58	0.52	261	0.33	0.26
B009	Court Room	24T34RF4	8	156	1.25	1500		1,872	24T32RF(R)2	58	0.46	696	0.90	0.71
B010	Mechanical Room	I34PF2	5	78	0.39	250		98	I32PF(Lo)2	52	0.26	65	0.17	0.02
B010	Mechanical Room	W34CF2	1	78	0.08	250		20	W32CF(Lo)2	52	0.05	13	0.17	0.00
B011	Storage Area	24T34RF4	13	156	2.03	500		1,014	24T32RF(R)2	58	0.75	377	0.33	0.38
B011A	Storage	24T34RF4	2	156	0.31	500		156	24T32RF(R)2	58	0.12	58	0.33	0.06
B012	District Attorney	24T34RF4	4	156	0.62	2750		1,716	24T32RF(R)2	58	0.23	638	0.90	0.35
B013	Court Room	C65RI1	5	65	0.33	1500		488	C15R(CF)1	17	0.09	128	0.90	0.22
B013	Court Room	24T34RF4	12	156	1.87	1500		2,808	24T32RF(R)2	58	0.70	1,044	0.90	1.06
H001	Hallway	24T34RF4	9	156	1.40	4000		5,616	24T32RF(R)2	58	0.52	2,088	0.90	0.79
B014	Janitor Closet	O60CI1	1	60	0.06	500		30	Q13R(CF)2	31.2	0.03	16	0.33	0.01
B015	Men's Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02
B015	Men's Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02
B016	Women's Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02
B016	Women's Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02
B017	Electrical Room	O60CI1	1	60	0.06	250		15	Q13R(CF)2	31.2	0.03	8	0.17	0.00
H002	Hallway	24T34RF4	3	156	0.47	4000		1,872	24T32RF(R)2	58	0.17	696	0.90	0.26
B018	Fitness Center	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26
B018	Shower Room	R60RI1	2	60	0.12	2750		330	R15R(CF)1	17	0.03	94	0.90	0.08
B018	Fitness Center	24T34RF(em)4	1	156	0.16	2750		429	24T32RF(R/em)2	58	0.06	160	0.90	0.09
B018A	Men's Lockers	W34CF2	4	78	0.31	2750		858	W32CF(LoT)2	52	0.21	572	0.90	0.09
B018A	Men's Sauna	C100RI1	1	100	0.10	2750		275	C23R(CF)1	27.5	0.03	76	0.90	0.07
B018B	Women's Lockers	W34CF2	4	78	0.31	2750		858	W32CF(LoT)2	52	0.21	572	0.90	0.09
B018B	Shower Room	R60RI1	2	60	0.12	2750		330	R15R(CF)1	17	0.03	94	0.90	0.08

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (23)Altura Plaza BLDG
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
B018B	Women's Sauna	C100R11	1	100	0.10	2750		275	C23R(CF)1	27.5	0.03	76	0.90	0.07	179
B019	Employee Breakroom	24T34RF4	16	156	2.50	2750		6,864	24T32RF(R)2	58	0.93	2,582	0.90	1.41	3,881
H003	Hallway	24T34RF4	3	156	0.47	4000		1,872	24T32RF(R)2	58	0.17	896	0.90	0.26	1,058
H003	Hallway	24T34RF(em)4	1	156	0.16	4000		624	24T32RF(R/em)2	58	0.06	232	0.90	0.09	353
S003	Stair	W34WF1	2	42	0.08	4000		336	W32WF(Lo)1	26	0.05	208	0.90	0.03	115
B020	Court Room	8S75PF2	2	151	0.30	1500		453	18S32CF(Lo)4	104	0.21	312	0.90	0.08	127
B021	Storage	24B34PF2	3	78	0.23	500		117	24B32CF(Lo)2	52	0.16	78	0.33	0.02	35
B021	Storage	O75P11	2	75	0.15	500		75	S32CF(Lo)2	52	0.10	52	0.33	0.01	21
B022	Conference	S32CF2	6	58	0.35	250		87	S32CF2	58	0.35	87	0.17	0.00	0
B022	Conference	S32CF2	3	58	0.17	250		44	S32CF2	58	0.17	44	0.17	0.00	0
B022	Conference	2S17CF2	1	32	0.03	250		8	2S17CF2	32	0.03	8	0.17	0.00	0
B023	Conference	24T34RF4	3	156	0.47	250		117	24T32RF(R)2	58	0.17	44	0.17	0.04	66
B024	Maintenance Work Room	I34PF2	2	78	0.16	500		78	I32PF(Lo)2	52	0.10	52	0.33	0.02	23
B024A	Telephone Room	24T34RF4	2	156	0.31	500		156	24T32RF(R)2	58	0.12	58	0.33	0.06	88
B024B	Electrical Room / Storage	I34PF2	4	78	0.31	250		78	I32PF(Lo)2	52	0.21	52	0.17	0.02	23
B024B	Electrical Room / Storage	I34PF(em)2	1	78	0.08	250		20	I32CF(Lo/em)2	52	0.05	13	0.17	0.00	6
B025	Maintenance Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
B026	Custodian Office	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
100	Court Room	24T34RF4	18	156	2.81	1500		4,212	24T32RF(R)2	58	1.04	1,566	0.90	1.59	2,381
100A	Restroom	W60WI2	1	120	0.12	2750		330	2W17WF(V)2	32	0.03	88	0.90	0.08	218
100B	Restroom	W60WI2	1	120	0.12	2750		330	2W17WF(V)2	32	0.03	88	0.90	0.08	218
101	Office	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26	728
101A	Jury Room	24T34RF4	4	156	0.62	500		312	24T32RF(R)2	58	0.23	116	0.33	0.12	176
101A	Jury Restroom	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
101B	Judge's Chambers	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
101C	Court Room	24T34RF4	16	156	2.50	1500		3,744	24T32RF(R)2	58	0.93	1,392	0.90	1.41	2,117
H102	Hallway	24T34RF4	4	156	0.62	4000		2,496	24T32RF(R)2	58	0.23	928	0.90	0.35	1,411
H102	Hallway	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)b)2C(LED)1	2	0.00	35	0.90	0.00	0
S103	Stair	W34CF1	3	39	0.12	4000		468	W32CF(Lo)1	26	0.08	312	0.90	0.04	140
104	Waiting Room	W34CF1	2	39	0.08	2750		215	W32CF(Lo)1	26	0.05	143	0.90	0.02	64
104	Waiting Room	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)b)2C(LED)1	2	0.00	35	0.90	0.00	0
104A	Lab	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(23)Altura Plaza BLDG**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
104A	Lab	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26	728
104B	Office	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
104C	Office	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
104D	County Health	24T34RF4	8	156	1.25	2750		3,432	24T32RF(R)2	58	0.46	1,276	0.90	0.71	1,940
104D	County Health	24T34RF4	9	156	1.40	2750		3,861	24T32RF(R)2	58	0.52	1,436	0.90	0.79	2,183
104E	Breakroom	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
105	Mr-chemical Room	O100C11	1	100	0.10	250		25	S32CF(Lo)2	52	0.05	13	0.17	0.01	11
106	Main Lobby	22T34RF(U)2	13	78	1.01	2750		2,789	22T17RF(R)2	32	0.42	1,144	0.90	0.54	1,480
106	Main Lobby	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(gb)2C(LED)1	2	0.00	35	0.90	0.00	0
106A	Vestibule	C26R(CF)1	4	26	0.10	2750		286	C26R(CF)1	26	0.10	286	0.90	0.00	0
106A	Entrance/Guard Area	Q26R(CF)2	11	62.4	0.69	2750		1,888	Q26R(CF)2	62.4	0.69	1,888	0.90	0.00	0
106B	Vestibule	C26R(CF)2	2	62.4	0.12	2750		343	C26R(CF)2	62.4	0.12	343	0.90	0.00	0
107	Hallway	22T34RF(U)2	3	78	0.23	4000		936	22T17RF(R)2	32	0.10	384	0.90	0.12	497
108	Waiting Area	22T34RF(U)2	6	78	0.47	2750		1,287	22T17RF(R)2	32	0.19	528	0.90	0.25	683
109	Vestibule	22T34RF(U)2	1	78	0.08	2750		215	22T17RF(R)2	32	0.03	88	0.90	0.04	114
110	County Court Clerks	24T34RF4	46	156	7.18	2750		19,734	24T32RF(R)2	58	2.67	7,337	0.90	4.06	11,157
110	County Court Clerks	24T34RF4	16	156	2.50	2750		6,864	24T32RF(R)2	58	0.93	2,552	0.90	1.41	3,881
110	County Court Clerks	X(g)2C(LED)1	3	2	0.01	8759.52		53	X(gb)2C(LED)1	2	0.01	53	0.90	0.00	0
110A	Office	24T34RF4	4	156	0.62	2750		1,716	24T32RF(R)2	58	0.23	638	0.90	0.35	970
110B	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
110C	Supervisor Office	24T34RF4	4	156	0.47	2750	4	1,287	24T32RF(R)2	58	0.23	638	0.90	0.21	584
110D	Training Room	24T34RF4	6	156	0.94	2750		2,574	24T32RF(R)2	58	0.35	957	0.90	0.53	1,455
110E	Office	24T34RF4	4	156	0.62	2750		1,716	24T32RF(R)2	58	0.23	638	0.90	0.35	970
110F	Mechanical Room	O100C11	1	100	0.10	250		25	S32CF(Lo)2	52	0.05	13	0.17	0.01	11
111	Stair	W34WF1	2	42	0.08	4000		336	W32WF(Lo)1	26	0.05	208	0.90	0.03	115
112	Janitor Closet	O60C11	1	60	0.06	500		30	Q13R(CF)2	31.2	0.03	16	0.33	0.01	13
113	Men Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02	64
113	Men Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02	64
114	Women Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02	64
114	Women Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02	64
115	Electrical Room	O60C11	1	60	0.06	250		15	Q13R(CF)2	31.2	0.03	8	0.17	0.00	7
200	District Attorney	24T34RF4	5	156	0.39	2750	10	1,073	24T32RF(R)2	58	0.29	798	0.90	0.09	248

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (23)Altura Plaza BLDG
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
200A	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
200B	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
200C	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
200D	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
200E	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
200F	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
200G	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
200H	Victim Witness	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26	728
200J	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
200J	Flies Room	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26	728
200J	Hall by 200J	22T34RF(U)2	3	78	0.23	4000		936	22T17RF(R)2	32	0.10	384	0.90	0.12	497
201	Reception Office	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26	728
201	Reception Office	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)b)2C(LED)1	2	0.00	35	0.90	0.00	0
201A	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
201B	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
S202	Stair	W34CF2	3	78	0.23	4000		936	24T32RF(R)2	58	0.12	319	0.90	0.18	485
H203	Hallway	24T34RF4	9	156	0.70	4000	18	2,808	W32CF(Lo)2	52	0.16	624	0.90	0.07	281
H203	Hallway	X(g)2C(LED)1	3	2	0.01	8759.52		53	24T32RF(R)2	58	0.52	2,088	0.90	0.16	648
204	Court Room	24T34RF4	23	156	2.50	1500	28	3,744	X(g)b)2C(LED)1	2	0.01	53	0.90	0.00	0
205	Open Office	24T34RF4	8	156	0.94	2750	8	2,574	24T32RF(R)2	58	0.46	1,276	0.90	1.05	1,569
205A	Jury Room	24T34RF4	5	156	0.78	500		390	24T32RF(R)2	58	0.29	145	0.90	0.42	1,168
205B	Judge's Chambers	24T34RF4	4	156	0.47	2750	4	1,287	24T32RF(R)2	58	0.23	638	0.90	0.15	221
205C	RR	W60WI2	1	120	0.12	2750		330	24T32RF(R)2	58	0.03	88	0.90	0.21	594
205D	RR	W60WI4	1	240	0.24	2750		660	2W17WVF(V)2	32	0.03	88	0.90	0.08	218
206	Mechanical Room	O100CI1	1	100	0.10	250		25	2W17WVF(V)2	32	0.03	88	0.90	0.19	515
H207	Hallway	24T34RF4	3	156	0.23	4000	6	936	S32CF(Lo)2	52	0.05	13	0.90	0.01	11
208	County Court	24T34RF4	19	156	2.57	1500	10	3,861	24T32RF(R)2	58	0.17	696	0.90	0.05	216
208	County Court	X(g)2C(LED)1	2	2	-0.02	8759.52	10	-140	24T32RF(R)2	58	1.10	1,653	0.90	1.32	1,987
208A	Office	24T34RF4	3	156	0.47	2750		1,287	X(g)b)2C(LED)1	2	0.00	35	0.90	-0.02	-158
209	District Attorney	24T34RF4	6	156	0.70	2750	6	1,931	24T32RF(R)2	58	0.17	479	0.90	0.26	728
209A	Office	24T34RF4	2	156	0.16	2750	4	429	24T32RF(R)2	58	0.35	957	0.90	0.32	876
209B	Office	24T34RF4	3	156	0.31	2750	4	858	24T32RF(R)2	58	0.12	319	0.90	0.04	99
									24T32RF(R)2	58	0.17	479	0.90	0.12	342

Building: **(23)Altura Plaza BLDG**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
209C	Office	24T34RF4	3	156	0.31	2750	4	858	24T32RF(R)2	58	0.17	479	0.90	342
209D	Office	24T34RF4	1	156	-0.08	2750	6	-215	24T32RF(R)2	58	0.06	160	0.90	-337
210	Copy Room	24T34RF4	2	156	0.16	2750	4	429	24T32RF(R)2	58	0.12	319	0.90	99
211	Office	24T34RF4	1	156	0.08	2750	2	215	24T32RF(R)2	58	0.06	160	0.90	50
211A	Office	24T34RF4	3	156	0.31	2750	4	858	24T32RF(R)2	58	0.17	479	0.90	342
S212	Stair	W34WF1	2	42	0.08	4000		336	W32WF(L)1	26	0.05	208	0.90	115
213	County Court	24T34RF4	22	156	3.43	1500		5,148	24T32RF(R)2	58	1.28	1,914	0.90	2,911
214	Open Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	485
214	Open Office	24T34RF4	6	156	0.94	2750		2,574	24T32RF(R)2	58	0.35	957	0.90	1,455
214A	Judge's Chambers	24T34RF4	5	156	0.78	2750		2,145	24T32RF(R)2	58	0.29	798	0.90	1,213
214A	Judge's Chambers	W60W11	1	60	0.06	2750		165	W60W11	60	0.06	165	0.90	0
214A	Judge's RR	W60W14	1	240	0.24	2750		660	2W17WF(V)2	32	0.03	88	0.90	515
214B	Jury Room	24T34RF4	6	156	0.94	500		468	24T32RF(R)2	58	0.35	174	0.33	265
215	Mechanical Room	O100C11	1	100	0.10	250		25	S32CF(L)2	52	0.05	13	0.17	11
H216	Hallway	24T34RF4	9	156	0.70	4000	18	2,808	24T32RF(R)2	58	0.52	2,088	0.90	648
217	Janitor Room	O60C11	1	60	0.06	500		30	Q13R(CF)2	31.2	0.03	16	0.33	13
218	Men Restroom	W34CF2	1	78	0.08	2750		215	W32CF(L)2	52	0.05	143	0.90	64
218	Men Restroom	S34CF2	1	78	0.08	2750		215	S32CF(L)2	52	0.05	143	0.90	64
219	Women Restroom	W34CF2	1	78	0.08	2750		215	W32CF(L)2	52	0.05	143	0.90	64
219	Women Restroom	S34CF2	1	78	0.08	2750		215	S32CF(L)2	52	0.05	143	0.90	64
220	Electrical Room	O60C11	1	60	0.06	250		15	Q13R(CF)2	31.2	0.03	8	0.17	7
H221	Hallway	24T34RF4	3	156	0.23	4000	5	936	24T32RF(R)2	58	0.17	896	0.90	216
S300	Stair	W34WF1	2	42	0.08	4000		336	W32WF(L)1	26	0.05	208	0.90	115
301	Lunch Room	24T34RF4	6	156	0.94	2750		2,574	24T32RF(R)2	58	0.35	957	0.90	1,455
302	Nurse/Clerical	24T34RF4	5	156	0.70	2750	2	1,931	24T32RF(R)2	58	0.29	798	0.90	1,020
303	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	485
303	Office	24T34RF4	2	156	0.31	2750		958	24T32RF(R)2	58	0.12	319	0.90	485
304	Open Office	24T32RF(Low)3	7	78	0.55	2750		1,502	24T32RF(LowR)2	58	0.41	1,117	0.90	347
304	Open Office	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0
304A	Treatment	24T32RF(Low)3	2	78	0.16	2750		429	24T32RF(LowR)2	58	0.12	319	0.90	99
304B	Break	24T32RF(Low)3	2	78	0.16	2750		429	24T32RF(LowR)2	58	0.12	319	0.90	99
304C	Consult	24T32RF(Low)3	1	78	0.08	2750		215	24T32RF(LowR)2	58	0.06	160	0.90	50

Project: Arapahoe County
Building: (23)Altura Plaza BLDG

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hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
304D	Dental Clinic	C26R(CF)1	16	26	0.42	2750		1,144	C26R(CF)1	26	0.42	1,144	0.90	0.00	0
304E	Reception	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
304F	Lab	24T32RF3	2	87	0.17	2750		479	24T32RF(R)2	58	0.12	319	0.90	0.05	144
304G	Pump Room	O60C11	1	60	0.06	250		15	Q13R(CF)2	31.2	0.03	8	0.17	0.00	7
304H	X-Ray Room	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
304I	X-Ray Room	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
304J	X-Ray Room	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
304K	X-Ray Room	24T32RF(Lou)3	2	78	0.16	2750		429	24T32RF(Lou)2	58	0.12	319	0.90	0.04	99
304L	Dark Room	Q100R11	1	100	0.10	500		50	Q23R(CF)1	26	0.03	13	0.33	0.02	33
H304	Hallway	22T34RF(U)2	2	78	0.16	4000		824	22T17RF(R)2	32	0.06	256	0.90	0.08	331
H304	Hallway	22T32RF(U)2	2	58	0.12	4000		464	22T17RF(R)2	32	0.06	256	0.90	0.05	187
H305	Hallway	24T34RF4	9	156	0.70	4000	18	2,808	24T32RF(R)2	58	0.52	2,088	0.90	0.16	648
308	Environment Health	24T34RF4	8	156	1.25	2750		3,432	24T32RF(R)2	58	0.46	1,278	0.90	0.71	1,940
306A	Office	24T34RF4	6	156	0.94	2750		2,574	24T32RF(R)2	58	0.35	957	0.90	0.53	1,455
306B	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
306C	Office	24T34RF4	6	156	0.78	2750	4	2,145	24T32RF(R)2	58	0.35	957	0.90	0.39	1,069
306D	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
306E	Nursing	24T34RF4	4	156	0.62	2750		1,716	24T32RF(R)2	58	0.23	638	0.90	0.35	970
307	Field Nursing	24T34RF4	8	156	1.01	2750	6	2,789	24T32RF(R)2	58	0.46	1,276	0.90	0.50	1,361
307A	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
307B	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
308	Mechanical Room	O60C11	1	60	0.06	250		15	Q13R(CF)2	31.2	0.03	8	0.17	0.00	7
H309	Hallway	24T34RF4	3	156	0.23	4000	6	936	24T32RF(R)2	58	0.17	696	0.90	0.05	216
310	Janitor	O60C11	1	60	0.06	500		30	Q13R(CF)2	31.2	0.03	16	0.33	0.01	13
311	Men Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02	64
311	Men Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02	64
312	Women Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02	64
312	Women Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02	64
313	Electrical	O60C11	1	60	0.06	250		15	Q13R(CF)2	31.2	0.03	8	0.17	0.00	7
314	Conference Room	24T34RF4	6	156	0.94	250		234	24T32RF(R)2	58	0.35	87	0.17	0.09	132
315	IT Work Room	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
315	IT Work Room	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0

Project: Arapahoe County

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hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
315A	Work Room	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316	Reception Area	W34CF2	2	78	0.16	2750		429	W32CF(Lo)2	52	0.10	286	0.90	0.05
316A	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316A	Office	22T34RF(U)2	1	78	0.08	2750		215	22T17RF(R)2	32	0.03	88	0.90	0.04
316B	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316C	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316D	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316E	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316F	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316G	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316H	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316I	Office	24T34RF4	4	156	0.62	2750		1,716	24T32RF(R)2	58	0.23	638	0.90	0.35
316J	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
316K	Open Office	24T34RF4	6	156	0.94	2750		2,574	24T32RF(R)2	58	0.35	957	0.90	0.53
316K	Open Office	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b)2C(LED)1	2	0.00	18	0.90	0.00
316L	Office	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09
316M	RR	W34WF2	1	78	0.08	2750		215	W32WF(Lo)2	52	0.05	143	0.90	0.02
316N	Office	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26
H316	Hallway	22T34RF(U)2	5	78	0.39	4000		1,560	22T17RF(R)2	32	0.16	640	0.90	0.21
H316	Hallway	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b)2C(LED)1	2	0.00	18	0.90	0.00
S317	Stair	W34CF2	3	78	0.23	4000		936	W32CF(Lo)2	52	0.16	624	0.90	0.07
H318	Hallway	24T34RF4	9	156	1.40	4000		5,616	24T32RF(R)2	58	0.52	2,088	0.90	0.79
318	Waiting Room	24T34RF4	9	156	1.09	2750	8	3,003	24T32RF(R)2	58	0.52	1,436	0.90	0.51
318A	Office	W34CF2	2	78	-0.08	2750	6	-215	W32CF(Lo)2	52	0.10	286	0.90	-0.16
318B	Office	24T34RF4	5	156	0.62	2750	4	1,716	24T32RF(R)2	58	0.29	798	0.90	0.30
318C	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
318D	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
318E	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
318F	Exam 4	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
318G	Exam 3	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18
H318	Hallway	22T34RF(U)2	3	78	0.23	4000		936	22T17RF(R)2	32	0.10	384	0.90	0.12
H318	Hallway	22T34RF(U)2	3	78	0.23	4000		936	22T17RF(R)2	32	0.10	384	0.90	0.12

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (23)Altura Plaza BLDG
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
318I	Hallway	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b2C(LED)1	2	0.00	18	0.90	0.00	0
318H	Exam 2	24T34RF4	2	156	0.31	2750		858	24T32RF(R)T2	58	0.12	319	0.90	0.18	485
318I	Exam 1	24T34RF4	2	156	0.31	2750		858	24T32RF(R)T2	58	0.12	319	0.90	0.18	485
318J	Restroom	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
318J	Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02	64
318k	Lab	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
318L	Office	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
318M	Storage	24T34RF4	1	156	0.16	500		78	24T32RF(R)2	58	0.06	29	0.33	0.03	44
319	Mechanical	O60C11	1	60	0.06	250		15	Q13R(CF)2	31.2	0.03	8	0.17	0.00	7
H320	Hallway	24T34RF4	3	156	0.23	4000	6	936	24T32RF(R)2	58	0.17	696	0.90	0.05	216
S400	Stair	W34WF1	2	42	0.08	4000		336	W32WF(Lo)1	26	0.05	208	0.90	0.03	115
401	County Court	24T34RF4	21	156	3.28	1500		4,914	24T32RF(R)2	58	1.22	1,827	0.90	1.85	2,778
401A	Judge's Chambers	24T34RF4	6	156	0.94	2750		2,574	24T32RF(R)2	58	0.35	957	0.90	0.53	1,455
401A	Judge's RR	W60W12	1	120	0.12	2750		330	2W17WF(V)2	32	0.03	88	0.90	0.08	218
H401	Hallway	24T34RF4	2	156	0.31	4000		1,248	24T32RF(R)2	58	0.12	464	0.90	0.18	706
401B	Jury Room	24T34RF4	7	156	1.09	500		546	24T32RF(R)2	58	0.41	203	0.33	0.21	309
401C	RR	W60W12	1	120	0.12	2750		330	2W17WF(V)2	32	0.03	88	0.90	0.08	218
401D	RR	W60W12	1	120	0.12	2750		330	2W17WF(V)2	32	0.03	88	0.90	0.08	218
401E	Open Office	24T34RF4	5	156	0.78	2750		2,145	24T32RF(R)2	58	0.29	798	0.90	0.44	1,213
402	Mechanical	O75W11	1	75	0.08	250		19	S32CF(Lo)2	52	0.05	13	0.17	0.00	5
H403	Hallway	24T34RF2	9	78		4000	18		24T32RF(Lo)2	52	0.47	1,872	0.90	-0.42	-1,685
H403	Hallway	X(g)2C(LED)1	3	2	0.01	8759.52		53	X(g)b2C(LED)1	2	0.01	53	0.90	0.00	0
404	Probation Office	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26	728
404	Probation Office	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)b2C(LED)1	2	0.00	35	0.90	0.00	0
404A	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404B	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404C	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404D	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404E	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404F	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404G	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404H	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (23)Altura Plaza BLDG
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
404I	Office	24T34RF2	2	78	0.16	2750		429	24T32RF(Lo)2	52	0.10	286	0.90	0.05	129
404J	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404K	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404L	Waiting Room	24T34RF2	2	78	0.16	2750		429	24T32RF(Lo)2	52	0.10	286	0.90	0.05	129
404M	Waiting Room	24T34RF4	6	156	0.47	2750	12	1,287	24T32RF(R)2	58	0.35	957	0.90	0.11	297
404N	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404O	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
404P	Copy Room	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
404Q	Copy Room	22T34RF(U)2	1	78	0.08	2750		215	22T17RF(R)2	32	0.03	88	0.90	0.04	114
405	Telephone Room	O60C11	1	60	0.06	500		30	Q13R(CF)2	31.2	0.03	16	0.33	0.01	13
406	Women's Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02	64
406	Women's Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02	64
407	Men's Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02	64
407	Men's Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02	64
408	Janitor	O60C11	1	60	0.06	500		30	Q13R(CF)2	31.2	0.03	16	0.33	0.01	13
409	Hallway	C75R(R40)1	1	75	0.08	4000		300	C15R(CF/R30)1	17	0.02	68	0.90	0.05	209
409	Hallway	24T34RF4	3	156	0.23	4000	6	936	24T32RF(R)2	58	0.17	696	0.90	0.05	216
410	Open Office	24T34RF4	6	156	0.94	2750		2,574	24T32RF(R)2	58	0.35	957	0.90	0.53	1,455
410	Open Office	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b2C(LED)1	2	0.00	18	0.90	0.00	0
410A	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410B	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410C	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410D	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410E	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410F	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410G	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410H	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410I	Office	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.26	728
410J	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410K	Open Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410K	Open Office	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b2C(LED)1	2	0.00	18	0.90	0.00	0
410L	Office	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243

hrs. The demand savings are not fully claimed.

Job No. DWGES30219

Project: Arapahoe County

Building: (23)Altura Plaza BLDG

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
410M	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
410N	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
H410	Hallway	24T34RF4	5	156	0.78	4000		3,120	24T32RF(R)2	58	0.29	1,160	0.90	0.44	1,764
H410	Hallway	X(g)2C(LED)1	1	2	0.00	4000		8	X(g)b)2C(LED)1	2	0.00	8	0.90	0.00	0
411	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
411	Office	W34WF1	1	42	0.04	2750		116	W32WF(L)1	26	0.03	72	0.90	0.01	40
412	Office	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
H413	Hallway	24T34RF4	9	156	0.70	4000	18	2,808	24T32RF(R)2	58	0.52	2,088	0.90	0.16	648
H413	Hallway	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b)2C(LED)1	2	0.00	18	0.90	0.00	0
S414	Stair	W34CF1	2	39	0.08	4000		312	W32CF(L)1	26	0.05	208	0.90	0.02	94
415	Court Room	24T34RF4	18	156	2.81	1500		4,212	24T32RF(R)2	58	1.04	1,566	0.90	1.59	2,381
H415	Hallway	22T34RF(U)2	2	78	0.16	4000		624	22T17RF(R)2	32	0.06	256	0.90	0.08	331
415A	Judge's Chambers	24T34RF4	5	156	0.78	2750		2,145	24T32RF(R)2	58	0.29	798	0.90	0.44	1,213
415A	Judge's RR	W60W2	1	120	0.12	2750		330	2W17WF(V)2	32	0.03	88	0.90	0.08	218
415B	Jury Room	24T34RF4	2	156	0.31	500		156	24T32RF(R)2	58	0.12	58	0.33	0.06	88
415C	Open Office	24T34RF4	7	156	1.09	2750		3,003	24T32RF(R)2	58	0.41	1,117	0.90	0.62	1,698
415D	RR	W60W2	1	120	0.12	2750		330	2W17WF(V)2	32	0.03	88	0.90	0.08	218
416	Mechanical Room	O75W11	1	75	0.08	250		19	S32CF(L)2	52	0.05	13	0.17	0.00	5
H417	Hallway	24T34RF4	3	156	0.23	4000	6	936	24T32RF(R)2	58	0.17	696	0.90	0.05	216
S500	Stair	W34WF1	3	42	0.13	4000		504	W32WF(L)1	26	0.08	312	0.90	0.04	173
501	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
H501	Hallway	24T34RF4	7	156	1.09	4000		4,368	24T32RF(R)2	58	0.41	1,624	0.90	0.62	2,470
H501	Hallway	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b)2C(LED)1	2	0.00	18	0.90	0.00	0
502	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
503	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
504	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
504	Office	W34TF1	1	42	0.04	2750		116	W34TF1	42	0.04	116	0.90	0.00	0
505	Office	W34TF1	2	42	0.08	2750		231	W34TF1	42	0.08	231	0.90	0.00	0
505	Office	W30TF1	1	43	0.04	2750		118	W30TF1	43	0.04	118	0.90	0.00	0
506	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
506	Office	W34TF1	1	42	0.04	2750		116	W34TF1	42	0.04	116	0.90	0.00	0
507	Office	W34TF1	1	42	0.04	2750		116	W34TF1	42	0.04	116	0.90	0.00	0

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
507	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
508	Office	24T34RF4	2	156	0.31	2750		858	24T32RF(R)2	58	0.12	319	0.90	0.18	485
508	Office	W34TF1	2	42	0.08	2750		231	W34TF1	42	0.08	231	0.90	0.00	0
509	Lobby	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.25	728
509	Lobby	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(gb)2C(LED)1	2	0.00	18	0.90	0.00	0
509	Lobby	24T34RF4	1	156	0.16	8759.52		1,366	24T32RF(R)2	58	0.06	508	0.90	0.09	773
510	Reception Area	24T34RF4	8	156	1.25	2750		3,432	24T32RF(R)2	58	0.46	1,276	0.90	0.71	1,940
510	Reception Area	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(gb)2C(LED)1	2	0.00	18	0.90	0.00	0
511	Workroom	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.25	728
511A	Storage	O75W11	1	75	0.08	500		38	S32CF(Lo)2	52	0.05	26	0.33	0.01	10
512	Files Storage	24T34RF2	2	78	0.16	500		78	24T32RF(Lo)2	52	0.10	52	0.33	0.02	23
512	Files Storage	24T34RF4	1	156	0.16	500		78	24T32RF(R)2	58	0.06	29	0.33	0.03	44
513	Conference	24T34RF4	2	156	0.31	250		78	24T32RF(R)2	58	0.12	29	0.17	0.03	44
513	Conference	24T32RF4	1	116	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
513	Conference	C45TH1	7	45	0.32	250		79	C45TH1	45	0.32	79	0.17	0.00	0
514	Office	24T32RF4	2	116	0.23	2750		638	24T32RF(R)2	58	0.12	319	0.90	0.10	287
514	Office	24T34RF4	1	156	0.16	2750		429	24T32RF(R)2	58	0.06	160	0.90	0.09	243
515	Office	24T34RF4	3	156	0.47	2750		1,287	24T32RF(R)2	58	0.17	479	0.90	0.25	728
H516	Hallway	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(gb)2C(LED)1	2	0.00	18	0.90	0.00	0
H516	Hallway	24T34RF4	1	156	0.16	4000		624	24T32RF(R)2	58	0.06	232	0.90	0.09	353
517	Vacant Room	24T34RF4	21	156	3.28	500		1,638	24T32RF(R)2	58	1.22	609	0.33	0.62	926
517A	Vacant Room	24T34RF4	2	156	0.31	500		156	24T32RF(R)2	58	0.12	58	0.33	0.06	88
517B	Vacant Room	24T34RF4	8	156	1.25	500		624	24T32RF(R)2	58	0.46	232	0.33	0.24	353
517C	Vacant Room	24T34RF4	4	156	0.62	500		312	24T32RF(R)2	58	0.23	116	0.33	0.12	176
517C	Vacant Room	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(gb)2C(LED)1	2	0.00	18	0.90	0.00	0
H518	Hallway	24T34RF2	1	78	0.08	4000		312	24T32RF(Lo)2	52	0.05	208	0.90	0.02	94
H518	Hallway	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(gb)2C(LED)1	2	0.00	18	0.90	0.00	0
H518	Hallway	C75RI1	1	75	0.08	4000		300	C16R(CF)1	17	0.02	68	0.90	0.05	209
519	RR	W34CF4	1	156	0.16	2750		429	W32CF(Lo)4	104	0.10	286	0.90	0.05	129
520	Janitor	O60W11	1	60	0.06	500		30	S32CF(Lo)1	30	0.03	15	0.33	0.01	14
521	Men's Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	0.02	64
521	Men's Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	0.02	64

Project: **Arapahoe County** Job No. **DWCES30219**

Building: **(23)Altura Plaza BLDG**

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
522	Women's Restroom	W34CF2	1	78	0.08	2750		215	W32CF(Lo)2	52	0.05	143	0.90	64
522	Women's Restroom	S34CF2	1	78	0.08	2750		215	S32CF(Lo)2	52	0.05	143	0.90	64
523	Telephone Room	O60CI1	1	60	0.06	500		30	Q13R(CF)2	31.2	0.03	16	0.33	13
524	Elevator Lobby	24T34RF4	2	156	0.31	4000		1,248	24T32RF(R)2	58	0.12	464	0.90	706
524	Elevator Lobby	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b)2C(LED)1	2	0.00	18	0.90	0
Total kW: 140.17									Total kWh: 336,586.93				285.63	168,446
									60.64					64.73
									149,430					

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

DWCES30219

Job No.

Project: Arapahoe County

Building: (24) Centrepoint Plaza

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
57	Room 057	22T31RF(w/Lou)2	6	59	0.35	3375		1,195	22T17RF(R/Lou)2	33	0.20	668	0.90	0.14	474
55	Learning Center	22T31RF(w/Lou)2	3	59	0.18	3375		597	22T17RF(R/Lou)2	33	0.10	334	0.90	0.07	237
44	Hall 044	22T31RF(w/Lou)2	5	59	0.30	4000		1,180	22T17RF(R/Lou)2	33	0.17	660	0.90	0.12	468
42A	Open Office	22T31RF(w/Lou)2	1	59	0.05	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
42B	Open Office	22T31RF(w/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
47.1	Coffee	22T31RF(w/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
H047	Hall 047	22T31RF(w/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187
H051	Hall 051	22T31RF(w/Lou)2	4	59	0.24	4000		944	22T17RF(R/Lou)2	33	0.13	528	0.90	0.09	374
53	Break Rm.	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou)2	59	0.12	398	0.90	0.05	170
51.1	Bulk Storage	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	59	0.06	30	0.33	0.01	13
54	Instructors	24T32RF(Lou)3	5	87	0.44	3375		1,468	24T32RF(Lou)2	59	0.30	996	0.90	0.13	425
38.1	Phone Rm.	24T32RF(Lou)3	4	87	0.35	500		174	24T32RF(Lou)2	59	0.24	118	0.33	0.03	50
H058	Hall 058	22T31RF(w/Lou)2	4	59	0.24	4000		944	22T17RF(R/Lou)2	33	0.13	528	0.90	0.09	374
H059	Hall 059	22T31RF(w/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187
H059	Hall 059	24T32RF(Lou)3	1	87	0.09	4000		348	24T32RF(Lou)2	59	0.06	236	0.90	0.03	101
72	IS Equip. Rm.	24T32RF3	12	87	1.04	500		522	24T32RF(R)2	59	0.71	354	0.33	0.10	151
73	Video Production	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	56	0.11	56	0.33	0.02	28
73	Video Production	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	59	0.18	89	0.33	0.03	38
2	Vending	24T32RF(Lou)3	3	87	0.26	3375		881	24T32RF(Lou)2	59	0.18	597	0.90	0.08	255
39	Copy	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou)2	59	0.12	398	0.90	0.05	170
33	Interview Rm.	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(Lou)2	59	0.12	30	0.17	0.01	13
H026	Hall 026	24T32RF3	3	87	0.26	4000		1,044	24T32RF(R)2	59	0.18	708	0.90	0.08	302
H022	Hall 022	24T32RF3	1	87	0.09	4000		348	24T32RF(R)2	59	0.06	236	0.90	0.03	101
23	Copy	24T32RF3	4	87	0.35	3375		1,175	24T32RF(R)2	59	0.24	797	0.90	0.10	340
24	Break Rm.	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou)2	59	0.24	797	0.90	0.10	340
H003	Hall 003	22T31RF(w/Lou)2	8	59	0.47	4000		1,888	22T17RF(R/Lou)2	33	0.26	1,056	0.90	0.19	749
H003.4	Hall 003.4	22T31RF(w/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187
10	Bulk Cust. Storage	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(Lou)2	59	0.12	59	0.33	0.02	25
11	Mail Processing	22T31RF(w/Lou)2	6	59	0.35	3375		1,195	22T17RF(R/Lou)2	33	0.20	668	0.90	0.14	474
12	Hall 012	22T31RF(w/Lou)2	5	59	0.30	4000		1,180	22T17RF(R/Lou)2	33	0.17	660	0.90	0.12	468
9	Elevator Lobby	22T31RF(w/Lou)2	2	59	0.12	3375		398	22T17RF(R/Lou)2	33	0.07	223	0.90	0.05	158

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
8	Hall 008	22T31RF(u/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187
7	Records Lobby	22T31RF(u/Lou)2	5	59	0.30	3375		996	22T17RF(R/Lou)2	33	0.17	557	0.90	0.12	395
19	Copy	24T32RF(Lou)3	9	87	0.78	3375		2,643	24T32RF(Lou/R)2	59	0.53	1,792	0.90	0.23	766
0.7	Storage	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	59	0.06	30	0.33	0.01	13
20.2	Coffee	24T32RF3	1	87	0.09	3375		294	24T32RF(R)2	59	0.06	199	0.90	0.03	85
20	File Rm.	24T32RF3	10	87	0.87	500		435	24T32RF(R)2	59	0.59	295	0.33	0.08	126
192	Catering Kitchen	24T32RF3	8	87	0.70	3375		2,349	24T32RF(R)2	59	0.47	1,593	0.90	0.20	680
185.1	Table & Chair Storage	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	59	0.18	89	0.33	0.03	38
H190	Hall 190	22T31RF(u)2	2	59	0.12	4000		472	22T17RF(R)2	33	0.07	264	0.90	0.05	187
171	Children	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	59	0.24	797	0.90	0.10	340
171	Children	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	56	0.22	756	0.90	0.11	377
H167	Hall 167	22T31RF(u/Lou)2	5	59	0.30	4000		1,180	22T17RF(R/Lou)2	33	0.17	660	0.90	0.12	468
172	Infants	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	59	0.24	797	0.90	0.10	340
173	B Office	24T32RF(Lou)3	1	87	0.09	3375		294	24T32RF(Lou/R)2	59	0.06	199	0.90	0.03	85
173	B Office	22T31RF(u/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
166	Check In	24T32RF(Lou)3	1	87	0.09	3375		294	24T32RF(Lou/R)2	59	0.06	199	0.90	0.03	85
169.3	Toilet	22T31RF(u/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
H169	Hall 169	22T31RF(u/Lou)2	1	59	0.06	4000		236	22T17RF(R/Lou)2	33	0.03	132	0.90	0.02	94
169.1	Toilet	22T31RF(u/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
170	Toddlers	24T32RF(Lou)3	7	87	0.61	3375		2,055	24T32RF(Lou/R)2	59	0.41	1,394	0.90	0.18	595
168	Food Prep.	24T32RF3	2	87	0.17	3375		597	24T32RF(R)2	59	0.12	398	0.90	0.05	170
160.1	Coats	22T31RF(u/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
160.2	Coats	22T31RF(u/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
158	Coffee	22T31RF(u/Lou)2	2	59	0.12	3375		398	22T17RF(R/Lou)2	33	0.07	223	0.90	0.05	158
H155	Mail 155	22T31RF(u/Lou)2	3	59	0.18	3375		597	22T17RF(R/Lou)2	33	0.10	334	0.90	0.07	237
149	Conference	24T32RF(Lou)3	6	67	0.52	250		131	24T32RF(Lou/R)2	56	0.34	84	0.17	0.03	42
157	File Rm.	24T32RF(Lou)3	6	87	0.52	500		261	24T32RF(Lou/R)2	59	0.35	177	0.33	0.05	76
156	Copy/Project	24T32RF(Lou)3	3	87	0.26	3375		881	24T32RF(Lou/R)2	59	0.18	597	0.90	0.08	255
H160	Hall 160	22T31RF(u/Lou)2	1	59	0.06	4000		236	22T17RF(R/Lou)2	33	0.03	132	0.50	0.02	94
162	Bulk Storage	24T32RF(Lou)3	4	87	0.35	500		174	24T32RF(Lou/R)2	59	0.24	118	0.33	0.03	50
H161	Hall 161	22T31RF(u/Lou)2	1	59	0.06	4000		236	22T17RF(R/Lou)2	33	0.03	132	0.90	0.02	94
H163	Hall 163	22T31RF(u/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(24) Centrepoint Plaza**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
164	Hearing Rm.	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	59	0.24	797	0.90	0.10	340
165	Hearing Rm.	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	59	0.24	797	0.90	0.10	340
100.3	Entry	22T31RF(u/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
124	Waiting	24T32RF(Lou)3	9	87	0.78	3375		2,643	24T32RF(Lou/R)2	59	0.53	1,792	0.90	0.23	766
147	CSS Reception	24T32RF(Lou)3	6	87	0.52	3375		1,762	24T32RF(Lou/R)2	59	0.35	1,195	0.90	0.15	510
147.1	Copy	24T32RF(Lou)3	1	87	0.09	3375		294	24T32RF(Lou/R)2	59	0.06	199	0.90	0.03	85
H146	Hall 146	22T31RF(u/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187
126	Touch & Go	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou/R)2	59	0.12	398	0.90	0.05	170
H124.2	Hall 124.2	22T31RF(u/Lou)2	1	59	0.06	4000		236	22T17RF(R/Lou)2	33	0.03	132	0.90	0.02	94
127	Touch & Go	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou/R)2	59	0.12	398	0.90	0.05	170
128	Issuance	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	56	0.22	756	0.90	0.11	377
128.1	Vault	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	59	0.12	59	0.33	0.02	25
129	Copy	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou/R)2	59	0.12	398	0.90	0.05	170
H145.3	Hall 145.3	22T31RF(u/Lou)2	1	59	0.06	4000		236	22T17RF(R/Lou)2	33	0.03	132	0.90	0.02	94
H145.2	Hall 145.2	22T31RF(u/Lou)2	1	59	0.06	4000		236	22T17RF(R/Lou)2	33	0.03	132	0.90	0.02	94
131.1	Coats	22T31RF(u/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
H131	Hall 131	22T31RF(u/Lou)2	3	59	0.18	4000		708	22T17RF(R/Lou)2	33	0.10	396	0.90	0.07	281
132.1	Bulk Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	59	0.12	59	0.33	0.02	25
138	Switchboard	24T32RF3	3	87	0.26	3375		881	24T32RF(R)2	59	0.18	597	0.90	0.08	255
139	Coffee	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou/R)2	59	0.12	398	0.90	0.05	170
H140	Hall 140	22T31RF(u/Lou)2	3	59	0.18	4000		708	22T17RF(R/Lou)2	33	0.10	396	0.90	0.07	281
144	Copy	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	59	0.24	797	0.90	0.10	340
144.1	File Rm.	24T32RF3	6	87	0.52	500		261	24T32RF(R)2	59	0.35	177	0.33	0.05	76
H106	Hall 106	22T31RF(u/Lou)2	3	59	0.18	4000		708	22T17RF(R/Lou)2	33	0.10	396	0.90	0.07	281
H103	Hall 103	22T31RF(u/Lou)2	3	59	0.18	4000		708	22T17RF(R/Lou)2	33	0.10	396	0.90	0.07	281
H121	Hall 121	22T31RF(u/Lou)2	3	59	0.18	4000		708	22T17RF(R/Lou)2	33	0.10	396	0.90	0.07	281
120	Employee Break Rm.	24T32RF(Lou)3	5	87	0.44	3375		1,468	24T32RF(Lou/R)2	59	0.30	996	0.90	0.13	425
H107	Hall 107	22T31RF(u/Lou)2	3	59	0.18	4000		708	22T17RF(R/Lou)2	33	0.10	396	0.90	0.07	281
115.1	Vest. 115.1	22T31RF(u/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
H108	Hall 108	22T31RF(u/Lou)2	4	59	0.24	4000		944	22T17RF(R/Lou)2	33	0.13	528	0.90	0.09	374
112	Coffee	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou/R)2	59	0.12	398	0.90	0.05	170
111	Copy	24T32RF(Lou)3	1	87	0.09	3375		294	24T32RF(Lou/R)2	59	0.06	199	0.90	0.03	85

Project: Arapahoe County

Building: (24) Centrepont Plaza

Job No.

DWCES30219

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
109	Office	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou)2	59	0.24	797	0.90	0.10	340
255	Open Office	24T32CF(Lou)3	2	87	0.17	3375		587	24T32CF(Lou)2	59	0.12	398	0.90	0.05	170
245	Interview	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(Lou)2	59	0.12	30	0.17	0.01	13
244	Copy	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou)2	59	0.12	398	0.90	0.05	170
243	Bulk Storage	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	59	0.18	89	0.33	0.03	36
246	Break Rm.	24T32RF(Lou)3	6	87	0.52	3375		1,762	24T32RF(Lou)2	56	0.34	1,134	0.90	0.17	565
242	Coffee	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou)2	59	0.12	398	0.90	0.05	170
H200	Corridor	22T31RF(w/Lou)2	8	59	0.47	4000		1,888	22T17RF(R/Lou)2	33	0.26	1,056	0.90	0.19	749
200.1	IS/Com	22T31RF(w/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
256.1	Coats	22T31RF(w/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
210.1	Kids Play	24T32RF(Lou)3	1	87	0.09	3375		294	24T32RF(Lou)2	59	0.06	199	0.90	0.03	85
210	Services Waiting Rm.	24T32RF(Lou)3	7	87	0.51	3375		2,055	24T32RF(Lou)2	59	0.41	1,394	0.90	0.18	595
H213	Hall 213	22T31RF(w/Lou)2	4	59	0.24	4000		944	22T17RF(R/Lou)2	33	0.13	528	0.90	0.09	374
H217	Hall 217	22T31RF(w/Lou)2	7	59	0.41	4000		1,652	22T17RF(R/Lou)2	33	0.23	924	0.90	0.16	655
217.1	Elev. Lobby	22T31RF(w/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
H222	Hall 222	22T31RF(w/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187
H206	Hall 206	22T31RF(w/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187
232.2	Storage	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	59	0.06	30	0.33	0.01	13
H232	Hall 232	22T31RF(w/Lou)2	6	59	0.35	4000		1,416	22T17RF(R/Lou)2	33	0.20	792	0.90	0.14	562
232.1	Coffee	22T31RF(w/Lou)2	1	59	0.06	3375		199	22T17RF(R/Lou)2	33	0.03	111	0.90	0.02	79
230	Interview	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(Lou)2	59	0.12	30	0.17	0.01	13
231	Copy	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou)2	59	0.12	398	0.90	0.05	170
H204	Hall 204	22T31RF(w/Lou)2	7	59	0.41	4000		1,652	22T17RF(R/Lou)2	33	0.23	924	0.90	0.16	655
H226	Hall 226	22T31RF(w/Lou)2	2	59	0.12	4000		472	22T17RF(R/Lou)2	33	0.07	264	0.90	0.05	187
225	Storage	24T32RF3	4	87	0.35	500		174	24T32RF(R)2	59	0.24	118	0.33	0.03	50
203	Corridor	24T32RF(Lou)3	1	87	0.09	4000		348	24T32RF(Lou)2	59	0.06	236	0.90	0.03	101
203	Corridor	22T31RF(w/Lou)2	3	59	0.18	4000		708	22T17RF(R/Lou)2	33	0.10	396	0.90	0.07	281
365	File Rm.	24T32RF3	6	87	0.52	500		261	24T32RF(R)2	59	0.35	177	0.33	0.05	76
H364	Hall 364	22T31RF(w/Lou)2	3	59	0.18	4000		708	22T17RF(R/Lou)2	33	0.10	396	0.90	0.07	281
375	B-Fin	24T32RF(Lou)3	2	87	0.17	3375		587	24T32RF(Lou)2	59	0.12	398	0.90	0.05	170
366	Bulk Storage	24T32RF3	6	87	0.52	500		261	24T32RF(R)2	59	0.35	177	0.33	0.05	76
363	Copy/Project	24T32RF(Lou)3	6	87	0.52	3375		1,762	24T32RF(Lou)2	59	0.35	1,195	0.90	0.15	510

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES0249**
Building: **(24) Centrepoint Plaza**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
300	Corridor	22T31RF(Lou)2	10	59	0.59	4000		2,360	22T17RF(R/Lou)2	33	0.33	1,320	0.90	0.23	936
2	Stair	24T32CF(Lou)3	3	87	0.26	4000		1,044	24T32CF(Lou/R)2	59	0.18	708	0.90	0.08	302
H311	Hall 311	22T31RF(Lou)2	9	59	0.53	4000		2,124	22T17RF(R/Lou)2	33	0.30	1,188	0.90	0.21	842
363	Copy	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	56	0.22	756	0.90	0.11	377
367	File/Safe	24T32RF(Lou)3	4	87	0.35	500		174	24T32RF(Lou/R)2	56	0.22	112	0.33	0.04	56
369	Interview	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(Lou/R)2	59	0.12	30	0.17	0.01	13
360	Break Rm.	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	59	0.24	797	0.90	0.10	340
310.1	Receptionists	24T32RF(Lou)3	3	87	0.26	3375		881	24T32RF(Lou/R)2	59	0.18	597	0.90	0.08	255
310	Waiting	24T32RF(Lou)3	4	87	0.35	3375		1,175	24T32RF(Lou/R)2	59	0.24	797	0.90	0.10	340
313	Interview	24T32RF(Lou)3	3	87	0.26	250		65	24T32RF(Lou/R)2	59	0.18	44	0.17	0.01	19
Total kWh: 103,967.75									23.66				119.03	10.18	35,183
Total kW: 37.12															

Project: Arapahoe County

Job No.

DWCES30219

Building: (29) Peoria Shop

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
001	Main Entrance	X20C12	1	40	0.04	8759.52		350	X(gb)2C(LED)1	6	0.01	53	0.90	0.03	268
001	Main Entrance	24T34RF4	1	144	0.14	2750		396	24T32RF(R)2	59	0.06	162	0.90	0.08	210
002	Hallway	24T34RF4	1	144	0.14	4250		612	24T32RF(R)2	59	0.06	251	0.90	0.08	325
002	Hallway	X20C12	1	40	0.04	8759.52		350	X(gb)2C(LED)1	6	0.01	53	0.90	0.03	268
002A	Women's Restroom	W34CF(NL)4	1	144	0.14	2750		396	W32CF(Lo)4	102	0.10	281	0.90	0.04	104
002B	Men's RR	W34CF4	1	144	0.14	2750		396	W32CF(Lo)4	102	0.10	281	0.90	0.04	104
003	Office	24T34RF4	4	144	0.58	2750		1,584	24T32RF(R)2	56	0.22	616	0.90	0.32	871
003A	Office	24T34RF4	4	144	0.58	2750		1,584	24T32RF(R)2	56	0.22	616	0.90	0.32	871
003A	Office	24T34RF4	1	144	0.14	2750		396	24T32RF(R)2	59	0.06	162	0.90	0.08	210
003B	Office	24T34RF4	1	144	0.14	2750		396	24T32RF(R)2	59	0.06	162	0.90	0.08	210
004	Office	8S75CF2	1	123	0.12	2750		338	18W32CF(Lo)4	102	0.10	281	0.90	0.02	52
004A	Breakroom	24T34RF4	2	144	0.29	2750		792	24T32RF(R)2	59	0.12	325	0.90	0.15	421
004B	Storage	O100W11	1	100	0.10	500		50	S32WF(Lo)2	52	0.05	26	0.33	0.01	22
005	Office	24T34RF4	3	144	0.43	2750		1,188	24T32RF(R)2	59	0.18	487	0.90	0.23	631
005A	Office	8S75CF2	5	123	0.62	2750		1,691	18W32CF(Lo)4	102	0.51	1,403	0.90	0.09	260
005B	Storage	8S75CF2	4	123	0.49	500		246	8S32CF(Lo)4	102	0.41	204	0.33	0.03	38
005B	Storage	W34CF(NL)4	1	144	0.14	500		72	W32CF(Lo)4	102	0.10	51	0.33	0.01	19
006	Office	24T34RF4	3	144	0.43	2750		1,188	24T32RF(R)2	59	0.18	487	0.90	0.23	631
006A	Shop	8S75CF2	5	123	0.62	2750		1,691	8S32CF(Lo)4	102	0.51	1,403	0.90	0.09	260
006A	Shop	I34PF2	1	72	0.07	2750		198	I32PF(Lo)2	52	0.05	143	0.90	0.02	50
006A	Shop	X20W12	1	40	0.04	8759.52		350	X(gb)2C(LED)1	6	0.01	53	0.90	0.03	268
007	Facilities & Fleet	8S75WF2	9	123	1.11	2750		3,044	8S32WF(Lo)4	102	0.92	2,525	0.90	0.17	468
007	Facilities & Fleet	X20W12	2	40	0.08	8759.52		701	X(gb)2C(LED)1	6	0.01	105	0.90	0.06	536
007	Facilities & Fleet	8S75CF2	19	123	2.34	2750		6,427	8S32CF(Lo)4	102	1.94	5,330	0.90	0.36	988
007	Facilities & Fleet	S34CF2	1	72	0.07	2750		198	S32CF(Lo)2	52	0.05	143	0.90	0.02	50
008	Office	24T34RF4	2	144	0.29	2750		792	24T32RF(R)2	59	0.12	325	0.90	0.15	421
009	Office	24T34RF4	2	144	0.29	2750		792	24T32RF(R)2	59	0.12	325	0.90	0.15	421
010	Storage	O100W11	1	100	0.10	500		50	S32WF(Lo)2	52	0.05	26	0.33	0.01	22
201	Stairs	Q150C(QT2)1	1	150	0.15	4250		638	W32CF(Lo)4	102	0.10	434	0.90	0.04	184
202	Locker room	8S75CF2	5	123	0.62	2750		1,691	8S32CF(Lo)4	102	0.51	1,403	0.90	0.09	260
202	Locker room	18W34WF4	1	144	0.14	2750		396	18W32WF(Lo)4	102	0.10	281	0.50	0.04	104

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES30219**
Building: **(29) Peoria Shop**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
203	Common Space	24T34RF4	12	144	1.73	2750		4,752	24T32RF(R)2	59	0.71	1,947	0.90	0.92	2,525
203	Common Space	X20W12	2	40	0.08	8759.52		701	X(g/b)2C(LED)1	6	0.01	105	0.90	0.06	536
204	Office	24T34RF4	3	144	0.43	2750		1,188	24T32RF(R)2	59	0.18	487	0.90	0.23	631
205	Office	24T34RF4	2	144	0.29	2750		792	24T32RF(R)T)2	56	0.11	308	0.90	0.16	436
206	Office	24T34RF4	2	144	0.29	2750		792	24T32RF(R)2	59	0.12	325	0.90	0.15	421
207	Office	24T34RF4	2	144	0.29	2750		792	24T32RF(R)2	59	0.12	325	0.90	0.15	421
Total kWh:									Total kWh:				34.50	5.35	16,327

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES30219**

Building: **(35) ACJC Courthouse**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Penthouse	NE Stair	W34WF2	3	78	0.23	3875		907	W32WF(Lo)2	52	0.16	605	0.90	0.07	272
Penthouse	Penthouse Corridor H002	S34PF2	7	78	0.55	3875		2,116	S32PF(Lo)2	52	0.36	1,411	0.90	0.16	635
Penthouse	Penthouse Corridor H003	S34PF2	17	78	1.33	3875		5,138	S32PF(Lo)2	52	0.88	3,428	0.90	0.40	1,542
Penthouse	Penthouse Corridor H004	S34PF2	7	78	0.55	3875		2,116	S32PF(Lo)2	52	0.36	1,411	0.90	0.16	635
Penthouse	Elevator Control Room P003.1	S34PF2	6	78	0.47	3875		1,814	S32PF(Lo)2	52	0.31	1,209	0.90	0.14	544
Penthouse	Comm. Room P005	S34PF2	5	78	0.39	2625		1,024	S32PF(Lo)2	52	0.26	683	0.90	0.12	307
Penthouse	S.E Stair	W34WF2	3	78	0.23	3875		907	W32WF(Lo)2	52	0.16	605	0.90	0.07	272
408	Court Room #408	14T34RF2	4	78	0.31	2625		819	14T32RF(Lo)2	52	0.21	546	0.90	0.09	246
408	Court Room #408	14T34RF2	4	78	0.31	2625		819	14T32RF(Lo)2	52	0.21	546	0.90	0.09	246
408	Court Room #408	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
408	Court Room #408	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
408	Court Room #408	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
408	Court Room #408	22T34RF(Lo)2	3	78	0.23	2625		614	22T17RF(R)2	32	0.10	252	0.90	0.12	326
408	Court Room #408	X(g)20C12	2	40	0.08	8759.52		701	X(g)20C(LED)1	2	0.00	35	0.90	0.07	599
408	Court Room #408	S34CF2	6	78	0.47	2625		1,229	S32CF(Lo)2	52	0.31	819	0.90	0.14	369
408	Court Room #408	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
408	Court Room #408	S34CF2	8	78	0.62	2625		1,638	S32CF(Lo)2	52	0.42	1,092	0.90	0.19	491
408	Court Room #408	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
408	Court Room #408	S34CF2	8	78	0.62	2625		1,638	S32CF(Lo)2	52	0.42	1,092	0.90	0.19	491
408	Court Room #408	S34CF2	4	78	0.31	2625		819	S32CF(Lo)2	52	0.21	546	0.90	0.09	246
408	Court Room #408	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
408	Court Room #408	S34CF2	8	78	0.62	2625		1,638	S32CF(Lo)2	52	0.42	1,092	0.90	0.19	491
408	Court Room #408	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
408	Court Room #408	S34CF2	8	78	0.62	2625		1,638	S32CF(Lo)2	52	0.42	1,092	0.90	0.19	491
408	Court Room #408	S34CF2	4	78	0.31	2625		819	S32CF(Lo)2	52	0.21	546	0.90	0.09	246
408	Court Room #408	S34CF2	3	78	0.23	2625		614	S32CF(Lo)2	52	0.16	410	0.90	0.07	184
408	Court Room #408	C60R11	13	60	0.78	2625		2,048	C15R(CF)1	17	0.22	580	0.90	0.50	1,321
H401	Court Room Lobby	C13R(CF)1	7	15	0.11	2625		276	C13R(CF)1	15	0.11	276	0.90	0.00	0
H401	Court Room Lobby	X(g)20C12	1	40	0.04	8759.52		350	X(g)20C(LED)1	2	0.00	18	0.90	0.03	300
408.1	Conference Room	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
407.1	Conference Room	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
407	Court Room #407	22T134RF(u/Lou)2	3	78	0.23	2625		614	22T17RF(R/Lou)2	32	0.10	252	0.90	0.12	326
407	Court Room #407	14T34RF2	4	78	0.31	2625		819	14T32RF(LoT)2	52	0.21	546	0.90	0.09	246
407	Court Room #407	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
407	Court Room #407	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
407	Court Room #407	14T34RF2	6	78	0.47	2625		1,229	14T32RF(Lo)2	52	0.31	819	0.90	0.14	369
407	Court Room #407	S34CF2	4	78	0.31	2625		819	S32CF(Lo)2	52	0.21	546	0.90	0.09	246
407	Court Room #407	S30CF2	2	70	0.14	2625		368	S25CF(LoT)2	46	0.09	242	0.90	0.04	113
407	Court Room #407	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
407	Court Room #407	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
407	Court Room #407	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
407	Court Room #407	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
407	Court Room #407	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
407	Court Room #407	S30CF2	2	70	0.14	2625		368	S25CF(LoT)2	46	0.09	242	0.90	0.04	113
407	Court Room #407	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
407	Court Room #407	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
407	Court Room #407	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
407	Court Room #407	S34CF2	16	78	1.25	2625		3,276	S32CF(LoT)2	52	0.83	2,184	0.90	0.37	983
407	Court Room #407	S30CF2	2	70	0.14	2625		368	S25CF(Lo)2	46	0.09	242	0.90	0.04	113
407	Court Room #407	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
407	Court Room #407	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
407	Court Room #407	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
407	Court Room #407	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
407	Court Room #407	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
407	Court Room #407	C60R11	10	60	0.60	2625		1,575	C15R(CF)1	17	0.17	446	0.90	0.39	1,016
407	Court Room #407	X(g)20C12	3	40	0.12	8759.52		1,051	X(g)b20C(LED)1	2	0.01	53	0.90	0.10	899
407	Court Room #407	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
407	Court Room #407	S30CF2	2	70	0.14	2625		368	S25CF(LoT)2	46	0.09	242	0.90	0.04	113
407	Court Room #407	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
407 2	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
406	Court Room #406	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
406	Court Room #406	24T34RF3	4	117	0.47	2625		1,229	24T32RF(R)2	58	0.23	609	0.90	0.21	558
405 1	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13

Project: Arapahoe County

Job No.

DWCES30219

hrs. The demand savings are not fully claimed.

Building: (35) ACJC Courthouse

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
405	Court Room #405	14T34RF2	4	78	0.31	2625		819	14T32RF(LoT)2	52	0.21	546	0.90	0.09	246
405	Court Room #405	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
405	Court Room #405	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
405	Court Room #405	14T34RF2	6	78	0.47	2625		1,229	14T32RF(Lo)2	52	0.31	819	0.90	0.14	369
405	Court Room #405	22T34RF(uLou)2	3	78	0.23	2625		614	22T17RF(R/Lou)2	32	0.10	252	0.90	0.12	326
405	Court Room #405	C60R11	10	60	0.60	2625		1,575	C15R(CF)1	17	0.17	446	0.90	0.39	1,016
405	Court Room #405	X(g)20C12	2	40	0.08	8759.52		701	X(g)b)2C(LED)1	2	0.00	35	0.90	0.07	599
405	Court Room #405	S34CF2	6	78	0.62	2625		1,638	S32CF(LoT)2	52	0.42	1,092	0.90	0.19	491
405	Court Room #405	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
405	Court Room #405	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
405	Court Room #405	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
405	Court Room #405	S34CF2	16	78	1.25	2625		3,276	S32CF(LoT)2	52	0.83	2,184	0.90	0.37	983
405	Court Room #405	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
405	Court Room #405	S30CF2	2	70	0.14	2625		368	S35CF(LoT)2	46	0.09	242	0.90	0.04	113
405	Court Room #405	S30CF2	3	70	0.21	2625		551	S25CF(Lo)2	46	0.14	362	0.90	0.06	170
405.2	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
417	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
417	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
H405-408	Court Room Lobby	C150R(MH)1	6	185	1.11	3875		4,301	22T17RF(R)2	32	0.19	744	0.90	0.83	3,202
H405-408	Court Room Lobby	X(g)20R12	2	40	0.08	8759.52		701	X(g)b)2C(LED)1	2	0.00	35	0.90	0.07	599
405.4	Court Room Lobby	C150R(MH)1	4	185	0.74	3875		2,868	22T17RF(R)2	32	0.13	496	0.90	0.55	2,134
405.3	Elevator Lobby	C150R(MH)1	4	185	0.74	3875		2,868	C18R(CF)2	42	0.17	651	0.90	0.51	1,995
405.3	Elevator Lobby	S34CF2	8	78	0.62	3875		2,418	S32CF(LoT)2	52	0.42	1,612	0.90	0.19	725
405.3	Elevator Lobby	S34CF2	2	78	0.16	3875		605	S32CF(Lo)2	52	0.10	403	0.90	0.05	181
405.3	Elevator Lobby	X(g)20C12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
405.5	Men's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
405.5	Men's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
405.5	Men's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
405.6	Women's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
405.6	Women's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
405.6	Women's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
416	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137

hrs. The demand savings are not fully claimed.

Job No. DWGES30219

Project: Arapahoe County

Building: (35) ACJC Courthouse

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
404.1	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
404	Court Room #404	22T17RF(R/Lou)2	3	78	0.23	2625		614	22T17RF(R/Lou)2	32	0.10	252	0.90	0.12	326
404	Court Room #404	X(g)20C12	1	40	0.04	8759.52		350	X(gb)2C(LED)1	2	0.00	18	0.90	0.03	300
404	Court Room #404	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(gb)2C(LED)1	2	0.00	18	0.90	0.00	0
404	Court Room #404	S34CF2	8	78	0.62	2625		1,638	S32CF(LoT)2	52	0.42	1,092	0.90	0.19	491
404	Court Room #404	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
404	Court Room #404	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
404	Court Room #404	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
404	Court Room #404	S34CF2	16	78	1.25	2625		3,276	S32CF(LoT)2	52	0.83	2,184	0.90	0.37	983
404	Court Room #404	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
404	Court Room #404	S30CF2	2	70	0.14	2625		368	S25CF(LoT)2	46	0.09	242	0.90	0.04	113
404	Court Room #404	S30CF2	3	70	0.21	2625		551	S25CF(Lo)2	46	0.14	362	0.90	0.06	170
404.2	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
403	Court Room #403	24T34RF3	6	117	0.70	2625		1,843	24T32RF(R)2	58	0.35	914	0.90	0.32	836
402.1	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
402	Court Room #402	22T34RF(R/Lou)2	3	78	0.23	2625		614	22T17RF(R/Lou)2	32	0.10	252	0.90	0.12	326
402	Court Room #402	X(g)20C12	1	40	0.04	8759.52		350	X(gb)2C(LED)1	2	0.00	18	0.90	0.03	300
402	Court Room #402	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(gb)2C(LED)1	2	0.00	18	0.90	0.00	0
402	Court Room #402	S34CF2	8	78	0.62	2625		1,638	S32CF(LoT)2	52	0.42	1,092	0.90	0.19	491
402	Court Room #402	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
402	Court Room #402	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
402	Court Room #402	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
402	Court Room #402	S34CF2	16	78	1.25	2625		3,276	S32CF(LoT)2	52	0.83	2,184	0.90	0.37	983
402	Court Room #402	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
402	Court Room #402	S30CF2	2	70	0.14	2625		368	S25CF(LoT)2	46	0.09	242	0.90	0.04	113
402	Court Room #402	S30CF2	3	70	0.21	2625		551	S25CF(Lo)2	46	0.14	362	0.90	0.06	170
402	Court Room #402	C150R(MH)1	6	185	1.11	3875		4,301	22T17RF(R)2	32	0.19	744	0.90	0.83	3,202
402	Court Room #402	X(g)20C12	2	40	0.08	8759.52		701	X(gb)2C(LED)1	2	0.00	35	0.90	0.07	599
402	Court Room #402	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
402.2	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
401.1	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
401	Court Room #401	14T34RF2	4	78	0.31	2625		819	14T32RF(LoT)2	52	0.21	546	0.90	0.09	246

Project: Arapahoe County Job No. DWCES30219

Building: (35) ACJC Courthouse

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
401	Court Room #401	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
401	Court Room #401	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
401	Court Room #401	14T34RF2	6	78	0.47	2625		1,229	14T32RF(LoT)2	52	0.31	819	0.90	0.14	369
401	Court Room #401	C60R11	13	60	0.78	2625		2,048	C15R(CF)1	17	0.22	580	0.90	0.50	1,321
401	Court Room #401	X(g)20R12	2	40	0.08	8759.52		701	X(g)2C(LED)1	2	0.00	35	0.90	0.07	599
401	Court Room #401	S34CF2	6	78	0.47	2625		1,229	S32CF(LoT)2	52	0.31	819	0.90	0.14	369
401	Court Room #401	S34CF2	10	78	0.78	2625		2,048	S32CF(LoT)2	52	0.52	1,365	0.90	0.23	614
401	Court Room #401	S34CF2	1	78	0.08	2625		205	S32CF(LoT)2	52	0.05	137	0.90	0.02	61
401	Court Room #401	S34CF2	12	78	0.94	2625		2,457	S32CF(LoT)2	52	0.62	1,638	0.90	0.28	737
401	Court Room #401	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
401	Court Room #401	S34CF2	1	78	0.08	2625		205	S32CF(LoT)2	52	0.05	137	0.90	0.02	61
401	Court Room #401	S34CF2	8	78	0.62	2625		1,638	S32CF(LoT)2	52	0.42	1,092	0.90	0.19	491
401	Court Room #401	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
401	Court Room #401	S34CF2	1	78	0.08	2625		205	S32CF(LoT)2	52	0.05	137	0.90	0.02	61
401	Court Room #401	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
401	Court Room #401	S30CF2	4	70	0.28	2625		735	S25CF(LoT)2	46	0.18	483	0.90	0.09	227
401	Court Room #401	S30CF2	4	70	0.28	2625		735	S25CF(LoT)2	46	0.18	483	0.90	0.09	227
401	Court Room #401	S30CF2	4	70	0.28	2625		735	S25CF(LoT)2	46	0.18	483	0.90	0.09	227
401	Court Room #401	S30CF2	2	70	0.14	2625		368	S25CF(LoT)2	46	0.09	242	0.90	0.04	113
H401	Corridor	C13R(CF)1	7	15	0.11	3875		407	C13R(CF)1	15	0.11	407	0.90	0.00	0
H401	NE Stair	W34WF2	5	78	0.39	3875		1,511	W32WF(LoT)2	52	0.26	1,008	0.90	0.12	453
H401	SW Stair	W34WF2	2	78	0.16	3875		605	W32WF(LoT)2	52	0.10	403	0.90	0.05	181
401B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
401B	Jury Room	3W30CF2	1	70	0.07	500		35	3W25CF(LoT)2	48	0.05	24	0.33	0.01	10
401B.1	Jury Restroom	W60WI2	1	120	0.12	2625		315	2W17WF(V)2	32	0.03	84	0.90	0.08	208
401B.2	Jury Restroom	W60WI2	1	120	0.12	2625		315	2W17WF(V)2	32	0.03	84	0.90	0.08	208
401A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
401A1	Judge's RR	14T34RF2	3	78	0.23	2625		614	14T32RF(LoT)2	52	0.16	410	0.90	0.07	184
401B	Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
401C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
401D	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
402A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(35) ACJC Courthouse**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
402A1	Judge's RR	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
402B	Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
402C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
402D	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
410	Holding Cell	14B34CF2	1	78	0.08	2625		205	14B32CF(Lo)2	52	0.05	137	0.90	0.02	61
411	Holding Cell	14B34CF2	1	78	0.08	2625		205	14B32CF(Lo)2	52	0.05	137	0.90	0.02	61
411.1	Entry - Elevator	14B34CF2	1	78	0.08	3875		302	14B32CF(Lo)2	52	0.05	202	0.90	0.02	91
411C	Elect. Room	S34WF2	1	78	0.08	250		20	S32WF(Lo)2	52	0.05	13	0.17	0.00	6
402B	Jury Room	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
402B.1	Men's Restroom	W60WI1	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
402B.2	Women's Restroom	W60WI1	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
403A	Staff Offices	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
403B	Staff Offices	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
H403	Corridor	22T34RF(uLo)2	11	78	0.86	3875		3,325	22T17RF(RLo)2	32	0.35	1,364	0.90	0.46	1,765
H403	Corridor	X(g)20C12	2	40	0.08	8759.52		701	X(g)2C(1LED)1	2	0.00	35	0.90	0.07	599
H403	Corridor	C150R(MH)1	2	185	0.37	3875		1,434	C18R(CF)2	42	0.08	326	0.90	0.26	997
404B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
404B	Jury Room	3W30CF2	1	70	0.07	500		35	3W25CF(Lo)2	48	0.05	24	0.33	0.01	10
404B.1	Men's Restroom	W60WI1	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
404B.2	Women's Restroom	W60WI1	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
413	Janitor's Closet	S34CF2	1	78	0.08	500		39	S32CF(Lo)2	52	0.05	26	0.33	0.01	12
413A	Women's Staff	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
404A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
404A.1	Judge's Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
404B	Office	24T34RF3	6	117	0.70	2625		1,843	24T32RF(R)2	58	0.35	914	0.90	0.32	836
404C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
404D	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
404E	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
404F	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
405A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
405A.1	Judge's Chambers Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
405B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80

hrs. The demand savings are not fully claimed.

Job No. DWGES30219

Project: Arapahoe County

Building: (35) ACJC Courthouse

Room Number	Surveyed Locations	Existing Fixtures ID Code	No of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
405B.1	Men's Restroom	W60WI1	1	60	0.06	2625		158	2W17WVF(v)2	32	0.03	84	0.90	0.03	66
405B.2	Women's Restroom	W60WI1	1	60	0.06	2625		158	2W17WVF(v)2	32	0.03	84	0.90	0.03	66
416	Elect. Room	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	0.00	6
416B	Men's Staff Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
H416	Corridor	22T34RF(u/Lou)2	8	78	0.62	2625		1,638	22T17RF(R/Lou)2	32	0.26	672	0.90	0.33	869
406A	Staff Offices	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
406A.1	Staff Offices	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
406B	Copy Room	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
407B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
407B.1	Men's Restroom	W60WI1	1	60	0.06	2625		158	2W17WVF(v)2	32	0.03	84	0.90	0.03	66
407B.2	Women's Restroom	W60WI1	1	60	0.06	2625		158	2W17WVF(v)2	32	0.03	84	0.90	0.03	66
407A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
407A.1	Judge's Chambers RR	14T34RF2	3	78	0.23	2625		614	14T32RF(Lo)2	52	0.16	410	0.90	0.07	184
407B	Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
407C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
407D	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
408A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
408A.1	Judge's Chambers RR	14T34RF2	3	78	0.23	2625		614	14T32RF(Lo)2	52	0.16	410	0.90	0.07	184
408B	Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
408C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
408D	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
408B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
408B.1	Men's Restroom	J60WI1	1	60	0.06	2625		158	2W17WVF(v)2	32	0.03	84	0.90	0.03	66
408B.2	Women's Restroom	W26W(CF)1	1	31.2	0.03	2625		82	2W17WVF(v)2	32	0.03	84	0.90	0.00	-2
	NW Stair Tower	W34WF2	2	78	0.16	3875		605	W32WF(Lo)2	52	0.10	403	0.90	0.05	181
H408	Corridor	22T34RF(u/Lou)2	10	78	0.78	3875		3,023	22T17RF(R/Lou)2	32	0.32	1,240	0.90	0.41	1,604
H408	Corridor	X(ig)2C(LED)1	2	40	0.08	8759.52		701	X(ig)2C(LED)1	2	0.00	35	0.90	0.07	599
H408	Corridor	C150R(MH)1	2	185	0.37	3875		1,434	C18R(CF)2	42	0.08	326	0.90	0.26	997
419A	Cell	14B34CF2	1	78	0.08	2625		205	14B32CF(Lo)2	52	0.05	137	0.90	0.02	61
419B	Cell	14B34CF2	1	78	0.08	2625		205	14B32CF(Lo)2	52	0.05	137	0.90	0.02	61
419A-B	Elevator Entry	14B34CF2	1	78	0.08	3875		302	14B32CF(Lo)2	52	0.05	202	0.90	0.02	91
419C	Elect. Room	S34WF2	1	78	0.08	250		20	S32WF(Lo)2	52	0.05	13	0.17	0.00	6

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
	Gun Armory	Locked							0		0.00		0.00	0.00	
	3rd Flr NW Stairtower	W34WF2	2	78	0.16	3875		605	W32WF(Lo)2	52	0.10	403	0.90	0.05	181
309	Courtroom #309	14T34RF2	4	78	0.31	2625		819	14T32RF(Lo)T)2	52	0.21	546	0.90	0.09	246
309	Courtroom #309	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
309	Courtroom #309	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)T)2	52	0.10	273	0.90	0.05	123
309	Courtroom #309	14T34RF2	6	78	0.47	2625		1,229	14T32RF(Lo)2	52	0.31	819	0.90	0.14	369
309	Courtroom #309	X(g)20C12	2	40	0.08	8759.52		701	X(g)b)2C(LED)1	2	0.00	35	0.90	0.07	599
309	Courtroom #309	C50R11	13	60	0.78	2625		2,048	C15R(CF)1	17	0.22	580	0.90	0.50	1,321
309	Courtroom #309	22T34RF(u)2	3	78	0.23	2625		614	22T17RF(R)2	32	0.10	252	0.90	0.12	326
309	Courtroom #309	S34CF2	12	78	0.94	2625		2,457	S32CF(Lo)T)2	52	0.62	1,638	0.90	0.28	737
309	Courtroom #309	S34CF2	6	78	0.47	2625		1,229	S32CF(Lo)T)2	52	0.31	819	0.90	0.14	369
309	Courtroom #309	S34CF2	2	78	0.16	2625		410	S32CF(Lo)T)2	52	0.10	273	0.90	0.05	123
309	Courtroom #309	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
309	Courtroom #309	S34CF2	6	78	0.47	2625		1,229	S32CF(Lo)T)2	52	0.31	819	0.90	0.14	369
309	Courtroom #309	S34CF2	4	78	0.31	2625		819	S32CF(Lo)T)2	52	0.21	546	0.90	0.09	246
309	Courtroom #309	S34CF2	2	78	0.16	2625		410	S32CF(Lo)T)2	52	0.10	273	0.90	0.05	123
309	Courtroom #309	S30CF2	2	70	0.14	2625		368	S25CF(Lo)T)2	46	0.09	242	0.90	0.04	113
309	Courtroom #309	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
309	Courtroom #309	S34CF2	4	78	0.31	2625		819	S32CF(Lo)T)2	52	0.21	546	0.90	0.09	246
309	Courtroom #309	S34CF2	8	78	0.62	2625		1,638	S32CF(Lo)T)2	52	0.42	1,092	0.90	0.19	491
309	Courtroom #309	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
309	Courtroom #309	S34CF2	2	78	0.16	2625		410	S32CF(Lo)T)2	52	0.10	273	0.90	0.05	123
309	Courtroom #309	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
309	Courtroom #309	S34CF2	6	78	0.47	2625		1,229	S32CF(Lo)T)2	52	0.31	819	0.90	0.14	369
309	Courtroom #309	S30CF2	3	70	0.21	2625		551	S25CF(Lo)2	46	0.14	362	0.90	0.08	170
309.1	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
308	Courtroom #308	14T34RF2	4	78	0.31	2625		819	14T32RF(Lo)T)2	52	0.21	546	0.90	0.09	246
308	Courtroom #308	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
308	Courtroom #308	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)T)2	52	0.10	273	0.90	0.05	123
308	Courtroom #308	14T34RF2	6	78	0.47	2625		1,229	14T32RF(Lo)2	52	0.31	819	0.90	0.14	369
308	Courtroom #308	22T34RF(u)2	3	78	0.23	2625		614	22T17RF(R)2	32	0.10	252	0.90	0.12	326
308	Courtroom #308	X(g)20C12	2	40	0.08	8759.52		701	X(g)b)2C(LED)1	2	0.00	35	0.90	0.07	599

hrs. The demand savings are not fully claimed.

Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
308	Courtroom #308	C60R11	10	60	0.60	2625		1,575	C15R(CF)1	17	0.17	446	0.90	0.39	1,016
308	Courtroom #308	S34CF2	12	78	0.94	2625		2,457	S32CF(LoT)2	52	0.62	1,638	0.90	0.28	737
308	Courtroom #308	S34CF2	10	78	0.78	2625		2,048	S32CF(LoT)2	52	0.52	1,365	0.90	0.23	614
308	Courtroom #308	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
308	Courtroom #308	S34CF2	6	78	0.47	2625		1,229	S32CF(LoT)2	52	0.31	819	0.90	0.14	369
308	Courtroom #308	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
308	Courtroom #308	S34CF2	2	78	0.16				S32CF(LoT)2	52	0.10	0	0.00	0.00	0
308	Courtroom #308	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
308	Courtroom #308	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
308	Courtroom #308	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
308	Courtroom #308	S34CF2	8	78	0.62	2625		1,638	S32CF(LoT)2	52	0.42	1,092	0.90	0.19	491
308	Courtroom #308	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
308	Courtroom #308	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
308	Courtroom #308	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
308	Courtroom #308	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
308	Courtroom #308	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
308	Courtroom #308	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
308.1	Conference Room	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
308.2	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
307	Court Room #307	24T34RF3	6	117	0.70	2625		1,843	24T32RF(R)2	58	0.35	914	0.90	0.32	835
306	Court Room #306	22T34RF(L/Lou)2	3	78	0.23	2625		614	22T17RF(R/Lou)2	32	0.10	252	0.90	0.12	326
306	Court Room #306	C60R11	10	60	0.60	2625		1,575	C15R(CF)1	17	0.17	446	0.90	0.39	1,016
306	Court Room #306	X(g)20C12	2	40	0.08	8759.52		701	X(g)b)2C(LED)1	2	0.00	35	0.90	0.07	599
306	Court Room #306	14T34RF2	4	78	0.31	2625		819	14T32RF(LoT)2	52	0.21	546	0.90	0.09	246
306	Court Room #306	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	14T34RF2	6	78	0.47	2625		1,229	14T32RF(Lo)2	52	0.31	819	0.90	0.14	369
306	Court Room #306	S34CF2	12	78	0.94	2625		2,457	S32CF(LoT)2	52	0.62	1,638	0.90	0.28	737
306	Court Room #306	S34CF2	6	78	0.47	2625		1,229	S32CF(LoT)2	52	0.31	819	0.90	0.14	369
306	Court Room #306	S34CF2	10	78	0.78	2625		2,048	S32CF(LoT)2	52	0.52	1,365	0.90	0.23	614
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
306	Court Room #306	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
306	Court Room #306	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
306	Court Room #306	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
306	Court Room #306	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
306	Court Room #306	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
306	Court Room #306	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(35) ACJC Courthouse**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S30CF2	2	70	0.14	2625		368	S25CF(Lo)2	46	0.09	242	0.90	0.04	113
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(Lo)2	52	0.21	546	0.90	0.08	246
306	Court Room #306	S34CF2	8	78	0.62	2625		1,638	S32CF(Lo)2	52	0.42	1,092	0.90	0.19	491
306	Court Room #306	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
306	Court Room #306	S34CF2	4	78	0.31	2625		819	S32CF(Lo)2	52	0.21	546	0.90	0.09	246
306	Court Room #306	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
306	Court Room #306	S30CF2	4	70	0.28	2625		735	S25CF(Lo)2	46	0.18	483	0.90	0.09	227
306	Court Room #306	S30CF2	2	70	0.14	2625		368	S25CF(Lo)2	46	0.09	242	0.90	0.04	113
306.1	Conference Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
306.2	CASA Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
3rd	H300 Hallway	C26R(CF)1	7	26	0.18	3875		705	22T17RF(R)2	32	0.22	868	0.90	-0.04	-147
3rd	H300 Hallway	X(g)20C12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
3rd	H301 Hallway	C150R(MH)1	6	185	1.11	3875		4,301	22T17RF(R)2	32	0.19	744	0.90	0.83	3,202
3rd	H301 Hallway	X(g)20R12	2	40	0.08	8759.52		701	X(g)b)2C(LED)1	2	0.00	35	0.90	0.07	599
317	Human Services	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
316	Children Waiting Room	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
315	County Attorney	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
316A	Elect. Room	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	0.00	6
316B	Men's Staff Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
306.3	Elevator Lobby	C150R(MH)1	6	185	1.11	3875		4,301	C18R(CF)2	42	0.25	977	0.90	0.77	2,992
306.3	Elevator Lobby	S34CF2	8	78	0.62	3875		2,418	S32CF(Lo)2	52	0.42	1,612	0.90	0.19	725
306.3	Elevator Lobby	S34CF2	2	78	0.16	3875		605	S32CF(Lo)2	52	0.10	403	0.90	0.05	181
306.3	Elevator Lobby	X(g)20C12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
306.5	Men's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
306.5	Men's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
306.5	Men's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
306.4	Women's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
306.4	Women's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
306.4	Women's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
306.3	Lobby	C150R(MH)1	4	185	0.74	3875		2,868	22T17RF(R)2	32	0.13	496	0.90	0.55	2,134
306.3	Lobby	22T34RF(u/Lou)2	2	78	0.16	3875		605	22T17RF(R/Lou)2	32	0.06	248	0.90	0.08	321

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (35) ACJC Courthouse

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
313A	Women's Staff Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(LoJ)2	52	0.05	137	0.90	0.02	61
313B	Janitor's Closet	S34CF2	1	78	0.08	500		39	S32CF(LoJ)2	52	0.05	26	0.33	0.01	12
304	Court Room #304	14T34RF2	6	78	0.47	2625		1,229	14T32RF(LoT)2	52	0.31	819	0.90	0.14	369
304	Court Room #304	14T34RF2	2	78	0.16	2625		410	14T32RF(LoJ)2	52	0.10	273	0.90	0.05	123
304	Court Room #304	X(gb)2C(LED)1	2	40	0.08	8759.52		701	X(gb)2C(LED)1	2	0.00	35	0.90	0.07	599
304	Court Room #304	C60R11	7	60	0.42	2625		1,103	C15R(CF)1	17	0.12	312	0.90	0.27	711
304	Court Room #304	S34CF2	8	78	0.32	2625		1,638	S32CF(LoJ)2	52	0.42	1,092	0.90	0.19	491
304	Court Room #304	S34CF2	6	78	0.47	2625		1,229	S32CF(LoJ)2	52	0.31	819	0.90	0.14	369
304	Court Room #304	S30CF2	2	70	0.14	2625		368	S25CF(LoT)2	46	0.09	242	0.90	0.04	113
304	Court Room #304	S30CF2	1	70	0.07	2625		184	S25CF(LoJ)2	46	0.05	121	0.90	0.02	57
304A	Office	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
304B	Office	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
304C	Gun Storage Locked	Locked							0		0.00		0.00	0.00	
311C	Elect. Room	S34WF2	1	78	0.08	250		20	S32WF(LoJ)2	52	0.05	13	0.17	0.00	6
311A	Holding Cell	14B34CF2	1	78	0.08	2625		205	14B32CF(LoJ)2	52	0.05	137	0.90	0.02	61
311B	Holding Cell	14B34CF2	1	78	0.08	2625		205	14B32CF(LoJ)2	52	0.05	137	0.90	0.02	61
311	Elev. Entry	14B34CF2	1	78	0.08	3875		302	14B32CF(LoJ)2	52	0.05	202	0.90	0.02	91
303	Court Room #303	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
303	Court Room #303	14T34RF2	1	78	0.08	2625		205	14T32RF(LoJ)2	52	0.05	137	0.90	0.02	61
303	Court Room #303	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
303	Court Room #303	14T34RF2	3	78	0.23	2625		614	14T32RF(LoJ)2	52	0.16	410	0.90	0.07	184
303	Court Room #303	C60R11	6	60	0.36	2625		945	C15R(CF)1	17	0.10	268	0.90	0.23	610
303	Court Room #303	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
303	Court Room #303	S34CF2	1	78	0.08	2625		205	S32CF(LoJ)2	52	0.05	137	0.90	0.02	61
303	Court Room #303	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
303	Court Room #303	S34CF2	1	78	0.08	2625		205	S32CF(LoJ)2	52	0.05	137	0.90	0.02	61
303	Court Room #303	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
303	Court Room #303	S30CF2	4	70	0.28	2625		735	S25CF(LoT)2	46	0.18	483	0.90	0.09	227
303	Court Room #303	X(gb)2C(LED)1	1	40	0.04	8755.52		350	X(gb)2C(LED)1	2	0.00	18	0.90	0.03	300
302.1	Office	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
302.2	Office	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
302	Court Room #302	22T34RF(Low)2	3	78	0.23	2625		614	22T17RF(RLow)2	32	0.10	252	0.50	0.12	326

Project: Arapahoe County

Building: (35) ACJC Courthouse

Job No.

DWGES30219

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT					SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Demand (kW)	Energy (kWh)
302	Court Room #302	14T34RF2	4	78	0.31	2625		819	14T32RF(LoT)2	52	0.21	546	0.90	0.09	246
302	Court Room #302	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
302	Court Room #302	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
302	Court Room #302	14T34RF2	6	78	0.47	2625		1,229	14T32RF(Lo)2	52	0.31	819	0.90	0.14	369
302	Court Room #302	X(g)20C12	2	40	0.08	8759.52		701	X(g)20C(LED)1	2	0.00	35	0.90	0.07	599
302	Court Room #302	C60R11	10	60	0.60	2625		1,575	C15R(CF)1	17	0.17	446	0.90	0.39	1,016
302	Court Room #302	S34CF2	20	78	1.56	2625		4,095	S32CF(LoT)2	52	1.04	2,730	0.90	0.47	1,229
302	Court Room #302	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
302	Court Room #302	S34CF2	6	78	0.47	2625		1,229	S32CF(LoT)2	52	0.31	819	0.90	0.14	369
302	Court Room #302	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
302	Court Room #302	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
302	Court Room #302	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
302	Court Room #302	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
302	Court Room #302	S34CF2	6	78	0.47	2625		1,229	S32CF(LoT)2	52	0.31	819	0.90	0.14	369
302	Court Room #302	S34CF2	8	78	0.62	2625		1,638	S32CF(LoT)2	52	0.42	1,092	0.90	0.19	491
302	Court Room #302	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
302	Court Room #302	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
302	Court Room #302	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
302	Court Room #302	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
301.1	Conference	24T34RF3	2	117	0.23	250		59	24T32RF(R)2	58	0.12	29	0.17	0.02	27
301	Court Room #301	22T34RF(u/Lou)2	3	78	0.23	2625		614	22T17RF(R/Lou)2	32	0.10	252	0.90	0.12	326
301	Court Room #301	14T34RF2	4	78	0.31	2625		819	14T32RF(LoT)2	52	0.21	546	0.90	0.09	246
301	Court Room #301	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	14T34RF2	2	78	0.16	2625		410	14T32RF(LoT)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	14T34RF2	6	78	0.47	2625		1,229	14T32RF(Lo)2	52	0.31	819	0.90	0.14	369
301	Court Room #301	X(g)20C12	2	40	0.08	8759.52		701	X(g)20C(LED)1	2	0.00	35	0.90	0.07	599
301	Court Room #301	C60R11	13	60	0.78	2625		2,048	C15R(CF)1	17	0.22	580	0.90	0.50	1,321
301	Court Room #301	S34CF2	12	78	0.94	2625		2,457	S32CF(LoT)2	52	0.62	1,638	0.90	0.28	737
301	Court Room #301	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
301	Court Room #301	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
301	Court Room #301	S34CF2	6	78	0.47	2625		1,229	S32CF(LoT)2	52	0.31	819	0.90	0.14	389
301	Court Room #301	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
301	Court Room #301	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
301	Court Room #301	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	S34CF2	1	78	0.08	2625		205	S32CF(Lo)2	52	0.05	137	0.90	0.02	61
301	Court Room #301	S34CF2	8	78	0.62	2625		1,638	S32CF(LoT)2	52	0.42	1,092	0.90	0.19	491
301	Court Room #301	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
301	Court Room #301	S34CF2	4	78	0.31	2625		819	S32CF(LoT)2	52	0.21	546	0.90	0.09	246
301	Court Room #301	S34CF2	8	78	0.62	2625		1,638	S32CF(LoT)2	52	0.42	1,092	0.90	0.19	491
301	Court Room #301	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	S34CF2	2	78	0.16	2625		410	S32CF(LoT)2	52	0.10	273	0.90	0.05	123
301	Court Room #301	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
H302	Corridor	C150R(MH)1	6	185	1.11	3875		4,301	22T17RF(R)2	32	0.19	744	0.90	0.83	3,202
H302	Corridor	Xig20C12	1	40	0.04	8759.52		350	Xig(b)2C(LED)1	2	0.00	18	0.90	0.03	300
H303	Corridor	C13R(CF)1	7	15	0.11	3875		407	C13R(CF)1	15	0.11	407	0.90	0.00	0
H303	Corridor	Xig20C12	1	40	0.04	8759.52		350	Xig(b)2C(LED)1	2	0.00	18	0.90	0.03	300
	SW Stair Tower	W34WF2	2	78	0.16	3875		605	W32WF(Lo)2	52	0.10	403	0.90	0.05	181
301B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
301B.1	Men's Restroom	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
301B.1	Men's Restroom	3W30UcF2	1	70	0.07	2625		184	3W25UcF(Lo)2	48	0.05	126	0.90	0.02	52
301B.2	Women's Restroom	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
301	Receptionst	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
301A	Judge's Chamber	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
301A.1	Judge's RR	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
301B	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
301C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
302	Receptionst	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
302A	Judge's Chamber	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
302A	Judge's RR	14T34RF2	3	78	0.23	2625		614	14T32RF(Lo)2	52	0.16	410	0.90	0.07	184
302B	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(35) ACJC Courthouse**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
302C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
305A	Tech. Support	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
305A.1	Tech. Support Men's	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
305A.2	Tech. Support Women's	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
305B	Office - Copy	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
305C	(Locked)	Locked							0		0.00		0.00	0.00	
305B.1	Storage Break Room	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
305B.1	Storage Break Room	3W30UcF2	3	70	0.21	2625		551	3W25UcF(Lo)2	48	0.14	378	0.90	0.06	156
305B.2	Men's Restroom	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
305B.3	Women's Restroom	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
H304	Corridor	22T17RF(R/Lou)2	11	78	0.86	3875		3,325	22T17RF(R/Lou)2	32	0.35	1,384	0.90	0.46	1,765
H304	Corridor	X(g)b2C(LED)1	2	40	0.08	8759.52		701	X(g)b2C(LED)1	2	0.00	35	0.90	0.07	599
H304	Corridor	C16R(CF)2	1	185	0.19	3875		717	C16R(CF)2	42	0.04	163	0.90	0.13	499
305	Receptionist Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
305A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
305A	Judge's RR	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
305B	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
305C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
306	Receptionist Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
306A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
306A.1	Judge's RR	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
306B	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
306C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
306B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
306B.1	Men's Restroom	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
306B.1	Men's Restroom	3W30UcF2	1	70	0.07	2625		184	3W25UcF(Lo)2	48	0.05	126	0.90	0.02	52
306B.2	Women's Restroom	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66
H305	Corridor	22T17RF(R/Lou)2	8	78	0.62	3875		2,418	22T17RF(R/Lou)2	32	0.26	992	0.90	0.33	1,283
307A	Court Facilitator	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
307B	Office	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
308B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
308B.1	Men's Restroom	W60W11	1	60	0.06	2625		158	2W17WF(V)2	32	0.03	84	0.90	0.03	66

Project: Arapahoe County DWGES30219

Job No.

Building: (35) ACJC Courthouse

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
308B.2	Women's Restroom	W60W11	1	60	0.06	2625		158	2W17WVF(V)2	32	0.03	84	0.30	0.03	86
308	Receptionist Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.30	0.16	418
308A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.30	0.16	418
308A.1	Judge's RR	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.30	0.02	61
308B	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.30	0.05	139
308C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.30	0.05	139
309	Receptionist Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.30	0.16	418
309A	Judge's Chambers	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.30	0.16	418
309A.1	Judge's RR	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.30	0.02	61
309B	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.30	0.05	139
309C	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.30	0.05	139
309B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
309B.1	Men's Restroom	W60W11	1	60	0.06	2625		158	2W17WVF(V)2	32	0.03	84	0.30	0.03	66
309B.2	Women's Restroom	W60W11	1	60	0.06	2625		158	2W17WVF(V)2	32	0.03	84	0.30	0.03	66
H306	Corridor	22T34RF(u/Lou)2	11	78	0.86	3875		3,325	22T17RF(R/Lou)2	32	0.35	1,364	0.30	0.46	1,765
H306	Corridor	X(g)20C12	2	40	0.08	8759.52		701	X(g)2C(LED)1	2	0.00	35	0.30	0.07	599
H306	Corridor	C150R(MH)1	2	185	0.37	3875		1,434	22T17RF(R)2	32	0.06	248	0.30	0.28	1,067
319A	Holding Cell	14B34CF2	1	78	0.08	2625		205	14B32CF(Lo)2	52	0.05	137	0.30	0.02	61
319B	Holding Cell	14B34CF2	1	78	0.08	2625		205	14B32CF(Lo)2	52	0.05	137	0.30	0.02	61
319A&B	Elev. Entry	14B34CF2	1	78	0.08	3875		302	14B32CF(Lo)2	52	0.05	202	0.30	0.02	91
319C	Elect. Room	S34CF2	1	78	0.08	250		20	S32CF(Lo)2	52	0.05	13	0.17	0.00	6
3rd Flr	NE Stair tower	W34WF2	2	78	0.16	3875		805	W32WF(Lo)2	52	0.10	403	0.30	0.05	181
301	SE Stair Tower	W34WF2	2	78	0.16	3875		605	W32WF(Lo)2	52	0.10	403	0.30	0.05	181
	2nd Flr N.E Stair Tower	W34WF2	2	78	0.16	3875		605	W32WF(Lo)2	52	0.10	403	0.30	0.05	181
201	Court Room #201	22T32RF(u)2	2	58	0.12	2625		305	22T17RF(R)2	32	0.06	168	0.30	0.05	123
201	Court Room #201	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.30	0.00	0
201	Court Room #201	14T32RF2	6	58	0.35	2625		914	14T32RF2	58	0.35	914	0.30	0.00	0
201	Court Room #201	14T32RF2	8	58	0.46	2625		1,218	14T32RF2	58	0.46	1,218	0.30	0.00	0
201	Court Room #201	C23R(CF)1	14	27.6	0.39	2625		1,014	C23R(CF)1	27.6	0.39	1,014	0.30	0.00	0
201	Court Room #201	S32RF2	4	58	0.23	2625		609	S32RF2	58	0.23	609	0.30	0.00	0
201	Court Room #201	S32RF2	3	58	0.17	2625		457	S32RF2	58	0.17	457	0.30	0.00	0
201	Court Room #201	S32RF2	4	58	0.23	2625		609	S32RF2	58	0.23	609	0.30	0.00	0

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(35) ACJC Courthouse**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
201	Court Room #201	3S25CF2	3	50	0.15	2625		394	3S25CF2	50	0.15	394	0.90	0.00	0
201	Court Room #201	3S25CF2	6	50	0.30	2625		788	3S25CF2	50	0.30	788	0.90	0.00	0
201	Court Room #201	3S25CF2	2	50	0.10	2625		263	3S25CF2	50	0.10	263	0.90	0.00	0
201	Court Room #201	S32RF2	2	58	0.12	2625		305	S32RF2	58	0.12	305	0.90	0.00	0
201	Court Room #201	S32RF2	2	58	0.12	2625		305	S32RF2	58	0.12	305	0.90	0.00	0
201	Court Room #201	S32RF2	5	58	0.29	2625		761	S32RF2	58	0.29	761	0.90	0.00	0
201	Court Room #201	S32RF2	11	58	0.64	2625		1,675	S32RF2	58	0.64	1,675	0.90	0.00	0
201	Court Room #201	S32RF2	4	58	0.23	2625		609	S32RF2	58	0.23	609	0.90	0.00	0
201	Court Room #201	S32RF2	5	58	0.29	2625		761	S32RF2	58	0.29	761	0.90	0.00	0
201	Court Room #201	S32RF2	3	58	0.17	2625		457	S32RF2	58	0.17	457	0.90	0.00	0
201	Court Room #201	S32RF2	3	58	0.17	2625		457	S32RF2	58	0.17	457	0.90	0.00	0
201	Court Room #201	S32RF2	3	58	0.17	2625		457	S32RF2	58	0.17	457	0.90	0.00	0
201	Court Room #201	3S25CF2	2	50	0.10	2625		263	3S25CF2	50	0.10	263	0.90	0.00	0
201	Court Room #201	3S25CF2	1	50	0.05	2625		131	3S25CF2	50	0.05	131	0.90	0.00	0
201	Court Room #201	3S25CF2	2	50	0.10	2625		263	3S25CF2	50	0.10	263	0.90	0.00	0
H200	Corridor	22T17RF(R)2	4	58	0.23	3875		899	22T17RF(R)2	32	0.13	496	0.90	0.09	363
H200	Corridor	X(g)20C(LE)1	2	40	0.08	8759.52		701	X(g)20C(LE)1	2	0.00	35	0.90	0.07	599
202.1	Conference Room	22T17RF(R)2	2	58	0.12	250		29	22T17RF(R)2	32	0.05	16	0.17	0.01	12
202	Court Room #202	22T17RF(R)2	3	58	0.17	2625		457	22T17RF(R)2	32	0.10	252	0.90	0.07	184
202	Court Room #202	X(g)20C(LE)1	2	2	0.00	8759.52		35	X(g)20C(LE)1	2	0.00	35	0.90	0.00	0
202	Court Room #202	14T32RF2	12	58	0.70	2625		1,827	14T32RF2	58	0.70	1,827	0.90	0.00	0
202	Court Room #202	C23R(CF)1	7	27.6	0.19	2625		507	C23R(CF)1	27.6	0.19	507	0.90	0.00	0
202	Outer Cove	S32RF2	8	58	0.46	2625		1,218	S32RF2	58	0.46	1,218	0.90	0.00	0
202	Outer Cove	S32RF2	6	58	0.35	2625		914	S32RF2	58	0.35	914	0.90	0.00	0
202	Outer Cove	S32RF2	6	58	0.35	2625		914	S32RF2	58	0.35	914	0.90	0.00	0
202	Outer Cove	S32RF2	9	58	0.52	2625		1,370	S32RF2	58	0.52	1,370	0.90	0.00	0
202	Outer Cove	S32RF2	8	58	0.46	2625		1,218	S32RF2	58	0.46	1,218	0.90	0.00	0
202	Inner Cove	S32RF2	12	58	0.70	2625		1,827	S32RF2	58	0.70	1,827	0.90	0.00	0
202	Inner Cove	3S25CF2	3	50	0.15	2625		394	3S25CF2	50	0.15	394	0.90	0.00	0
202	Inner Cove	3S25CF2	2	50	0.10	2625		263	3S25CF2	50	0.10	263	0.90	0.00	0
203	Conference Room	24T32RF3	4	87	0.35	250		87	24T32RF(R)2	58	0.23	59	0.17	0.02	26
204.1	Tech Support	22T17RF(R)2	2	58	0.12	2625		305	22T17RF(R)2	32	0.05	168	0.90	0.05	123

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Job No. DWCES30219

Building: (35) ACJC Courthouse

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
204	Court Room #204	22T32RF(u)2	2	58	0.12	2625		305	22T17RF(R)2	32	0.06	168	0.90	0.05	123
204	Court Room #204	22T32RF(u)em)2	1	58	0.06	2625		152	22T17RF(R)em)2	32	0.03	84	0.90	0.02	61
204	Court Room #204	14T32RF2	6	58	0.35	2625		914	14T32RF2	58	0.35	914	0.90	0.00	0
204	Court Room #204	14T32RF2	8	58	0.46	2625		1,218	14T32RF2	58	0.46	1,218	0.90	0.00	0
204	Court Room #204	C23R(CF)1	7	27.6	0.19	2625		507	C23R(CF)1	27.6	0.19	507	0.90	0.00	0
204	Court Room #204	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
204	Court Room #204	S32RF2	8	58	0.46	2625		1,218	S32RF2	58	0.46	1,218	0.90	0.00	0
204	Court Room #204	S32RF2	5	58	0.29	2625		761	S32RF2	58	0.29	761	0.90	0.00	0
204	Court Room #204	S32RF2	6	58	0.35	2625		914	S32RF2	58	0.35	914	0.90	0.00	0
204	Court Room #204	S32RF2	8	58	0.46	2625		1,218	S32RF2	58	0.46	1,218	0.90	0.00	0
204	Court Room #204	3S25CF2	1	50	0.05	2625		131	3S25CF2	50	0.05	131	0.90	0.00	0
204	Court Room #204	3S25CF2	3	50	0.15	2625		394	3S25CF2	50	0.15	394	0.90	0.00	0
204	Court Room #204	S32RF2	9	58	0.52	2625		1,370	S32RF2	58	0.52	1,370	0.90	0.00	0
204	Court Room #204	S32RF2	3	58	0.17	2625		457	S32RF2	58	0.17	457	0.90	0.00	0
204	Court Room #204	22T32RF(u)em)2	9	58	0.52	2625		1,370	22T17RF(R)em)2	32	0.29	756	0.90	0.21	553
204	Court Room #204	3S25CF2	1	50	0.05	2625		131	3S25CF2	50	0.05	131	0.90	0.00	0
204	Court Room #204	3S25CF2	9	50	0.45	2625		1,181	3S25CF2	50	0.45	1,181	0.90	0.00	0
216	Tech Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
H201	Corridor	22T32RF(u)2	6	58	0.35	3875		1,349	22T17RF(R)2	32	0.19	744	0.90	0.14	544
H201	Corridor	X(g)20C12	1	40	0.04	8759.52		350	X(g)2C(LED)1	2	0.00	18	0.90	0.03	300
204.2	Conf. Room	22T32RF(u)2	2	58	0.12	250		29	22T17RF(R)2	32	0.06	16	0.17	0.01	12
215	Conf. Room	24T32RF3	2	87	0.17	250		44	24T32RF(R)2	58	0.12	29	0.17	0.01	13
215	Conf. Room	24T34RF3	1	117	0.12	230		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
206.1	Conf. Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
215.1	Lobby	22T32RF(u)em)2	2	58	0.12	3875		450	22T17RF(R)em)2	32	0.06	248	0.90	0.05	181
215.1	Lobby	22T32RF(u)2	1	58	0.06	3875		225	22T17RF(R)2	32	0.03	124	0.90	0.02	91
215.1	Lobby	22T32RF(u)em)2	2	58	0.12	3875		450	22T17RF(R)em)2	32	0.06	248	0.90	0.05	181
215.1	Lobby	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
215.1	Lobby	X(g)20C12	1	40	0.04	8759.52		350	X(g)2C(LED)1	2	0.00	18	0.90	0.03	300
215.2	Elevator Lobby	C150R(MH)1	6	185	1.11	3875		4,301	C18R(CF)2	42	0.25	977	0.90	0.77	2,992
215.2	Elevator Lobby	S34CF2	8	78	0.62	3875		2,418	S32CF(Lo)T)2	52	0.42	1,612	0.90	0.19	725
215.2	Elevator Lobby	S34CF2	2	78	0.16	3875		605	S32CF(Lo)2	52	0.10	403	0.90	0.05	181

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
215.2	Elevator Lobby	X(g)20C12	1	40	0.04	8759.52		350	X(g)20C(LED)1	2	0.00	18	0.90	0.03	300
215.3	Men's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
215.3	Men's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
215.3	Men's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
215.4	Women's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
215.4	Women's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
215.4	Women's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
206	Court Room #206	22T32RF(u)em)2	1	58	0.06	2625		152	22T17RF(R)em)2	32	0.03	84	0.90	0.02	61
206	Court Room #206	22T32RF(u)2	2	58	0.12	2625		305	22T17RF(R)2	32	0.06	168	0.90	0.05	123
206	Court Room #206	14T32RF2	6	58	0.35	2625		914	14T32RF2	58	0.35	914	0.90	0.00	0
206	Court Room #206	14T32RF2	8	58	0.46	2625		1,218	14T32RF2	58	0.46	1,218	0.90	0.00	0
206	Court Room #206	C23R(CF)1	7	27.6	0.19	2625		507	C23R(CF)1	27.6	0.19	507	0.90	0.00	0
206	Court Room #206	X(g)20C(LED)1	2	2	0.00	8759.52		35	X(g)20C(LED)1	2	0.00	35	0.90	0.00	0
206	Court Room #206	S32RF2	10	58	0.58	2625		1,523	S32RF2	58	0.58	1,523	0.90	0.00	0
206	Court Room #206	S32RF2	2	58	0.12	2625		305	S32RF2	58	0.12	305	0.90	0.00	0
206	Court Room #206	S32RF2	8	58	0.46	2625		1,218	S32RF2	58	0.46	1,218	0.90	0.00	0
206	Court Room #206	S32RF2	4	58	0.23	2625		609	S32RF2	58	0.23	609	0.90	0.00	0
206	Court Room #206	S32RF2	6	58	0.35	2625		914	S32RF2	58	0.35	914	0.90	0.00	0
206	Court Room #206	3S25CF2	9	50	0.45	2625		1,181	3S25CF2	50	0.45	1,181	0.90	0.00	0
206	Court Room #206	3S25CF2	2	50	0.10	2625		263	3S25CF2	50	0.10	263	0.90	0.00	0
206	Court Room #206	S32RF2	5	58	0.29	2625		761	S32RF2	58	0.29	761	0.90	0.00	0
206	Court Room #206	S32RF2	2	58	0.12	2625		305	S32RF2	58	0.12	305	0.90	0.00	0
206	Court Room #206	S32RF2	12	58	0.70	2625		1,827	S32RF2	58	0.70	1,827	0.90	0.00	0
206	Court Room #206	3S25CF2	2	50	0.10	2625		263	3S25CF2	50	0.10	263	0.90	0.00	0
206.2	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
206.2	Office	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
207.2	Conference Room	24T34RF3	1	117	0.12	2,500		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
207B.1	Jury Room	24T34RF3	6	117	0.70	500		351	24T32RF(R)2	58	0.35	174	0.33	0.11	159
207B.1	Jury Room	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	58	0.06	29	0.33	0.01	13
207B.1	Men's Restroom	W32CF2	1	58	0.06	2625		152	W32CF2	58	0.06	152	0.90	0.00	0
207B.2	Women's Restroom	W32CF2	1	58	0.06	2625		152	W32CF2	58	0.06	152	0.90	0.00	0
207	Court Room #207	22T32RF(u)2	2	58	0.12	2625		305	22T17RF(R)2	32	0.06	168	0.90	0.05	123

Project: Arapahoe County

Job No.

DWCES30219

Building: (35) ACJC Courthouse

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
207	Court Room #207	22T32RF(u/em)2	1	58	0.06	2625		152	22T17RF(R/em)2	32	0.03	84	0.90	0.02	61
207	Court Room #207	C23R(CF)1	7	27.6	0.19	2625		507	C23R(CF)1	27.6	0.19	507	0.90	0.00	0
207	Court Room #207	14T32RF2	6	58	0.35	2625		914	14T32RF2	58	0.35	914	0.90	0.00	0
207	Court Room #207	14T32RF2	8	58	0.46	2625		1,218	14T32RF2	58	0.46	1,218	0.90	0.00	0
207	Court Room #207	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
207	Court Room #207	S32RF2	6	58	0.35	2625		914	S32RF2	58	0.35	914	0.90	0.00	0
207	Court Room #207	S32RF2	10	58	0.58	2625		1,523	S32RF2	58	0.58	1,523	0.90	0.00	0
207	Court Room #207	S32RF2	9	58	0.52	2625		1,370	S32RF2	58	0.52	1,370	0.90	0.00	0
207	Court Room #207	S32RF2	4	58	0.23	2625		609	S32RF2	58	0.23	609	0.90	0.00	0
207	Court Room #207	S32RF2	6	58	0.35	2625		914	S32RF2	58	0.35	914	0.90	0.00	0
207	Court Room #207	S32RF2	3	58	0.17	2625		457	S32RF2	58	0.17	457	0.90	0.00	0
207	Court Room #207	S32RF2	5	58	0.29	2625		761	S32RF2	58	0.29	761	0.90	0.00	0
207	Court Room #207	S32RF2	4	58	0.23	2625		609	S32RF2	58	0.23	609	0.90	0.00	0
207	Court Room #207	3S25CF2	2	50	0.10	2625		263	3S25CF2	50	0.10	263	0.90	0.00	0
207	Court Room #207	3S25CF2	3	50	0.15	2625		394	3S25CF2	50	0.15	394	0.90	0.00	0
H202	Corridor	22T34RF(u/Lou)2	2	78	0.16	3875		605	22T17RF(R/Lou)2	32	0.06	248	0.90	0.08	321
H202	Corridor	22T32RF(u/em)2	2	58	0.12	3875		450	22T17RF(R/em)2	32	0.06	248	0.90	0.05	181
H202	Corridor	22T32RF(u)2	2	58	0.12	3875		450	22T17RF(R)2	32	0.06	248	0.90	0.05	181
H202	Corridor	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
207.1	Conf. Room	24T34RF3	1	117	0.12	250		29	24T32RF(R)2	58	0.06	15	0.17	0.01	13
208	Victim Waiting Room	24T34RF3	8	117	0.94	2625		2,457	24T32RF(R)2	58	0.46	1,218	0.90	0.42	1,115
208	Victim Waiting Room	22T34RF(u/Lou)2	6	78	0.47	2625		1,229	22T17RF(R/Lou)2	32	0.19	504	0.90	0.25	652
208	Victim Waiting Room	22T32RF(u)2	1	58	0.06	2625		152	22T17RF(R)2	32	0.03	84	0.90	0.02	61
208A	Play Room	24T34RF3	4	117	0.47	2625		1,229	24T32RF(R)2	58	0.23	609	0.90	0.21	558
208B	TV Room	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
208C	Conference Room	24T34RF3	2	117	0.23	250		59	24T32RF(R)2	58	0.12	29	0.17	0.02	27
208D	Conference Room	24T34RF3	2	117	0.23	250		59	24T32RF(R)2	58	0.12	29	0.17	0.02	27
208E	Conference Room	24T34RF3	2	117	0.23	250		59	24T32RF(R)2	58	0.12	29	0.17	0.02	27
208F	Conference Room	24T34RF3	2	117	0.23	250		59	24T32RF(R)2	58	0.12	29	0.17	0.02	27
208D.1	Storage	24T34RF3	2	117	0.23	500		117	24T32RF(R)2	58	0.12	58	0.33	0.04	53
208D.1	Storage	X(g)2C(LED)1	1	40	0.04	8759.52		350	X(g)2C(LED)1	2	0.00	18	0.90	0.03	300
208E	Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	58	0.12	58	0.33	0.02	26

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(35) ACJC Courthouse**
Job No. **DWGES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
H208F	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
H203	Corridor	22T32RF(u)2	3	58	0.17	3875		674	22T17RF(R)2	32	0.10	372	0.90	0.07	272
H203	Corridor	22T32RF(u/em)2	1	58	0.06	3875		225	22T17RF(R/em)2	32	0.03	124	0.90	0.02	91
H203	Corridor	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)b)2C(LED)1	2	0.00	18	0.90	0.00	0
	2nd Flr E Stair Tower	W34WF2	2	78	0.16	3875		605	W32WF(L)2	52	0.10	403	0.90	0.05	181
	2nd Flr W Stair Tower	W34WF2	2	78	0.16	3875		605	W32WF(L)2	52	0.10	403	0.90	0.05	181
207	Receptionist Office	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
207A	Judge's Chambers	24T34RF3	4	117	0.47	2625		1,229	24T32RF(R)2	58	0.23	609	0.90	0.21	558
207A	Judge's Chambers	22T34RF(u/Lou)2	1	78	0.08	2625		205	22T17RF(R/Lou)2	32	0.03	84	0.90	0.04	109
207A	Judge's RR	W34CF2	1	78	0.08	2625		205	W32CF(L)2	52	0.05	137	0.90	0.02	61
207B	Office	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
207C	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
206	Receptionist Office	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
206A	Judge's Chambers	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
206A	Judge's Chambers	24T34RF3	1	117	0.12	2625		307	24T32RF(R)2	58	0.06	152	0.90	0.05	139
206A.1	Judge's RR	W34CF2	1	78	0.08	2625		205	W32CF(L)2	52	0.05	137	0.90	0.02	61
206B	Office	24T34RF3	2	117	0.23	2625		614	24T32RF(R)2	58	0.12	305	0.90	0.11	279
206C	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
H204	Corridor	22T34RF(u/em)2	1	78	0.08	3875		302	22T17RF(R/em)2	32	0.03	124	0.90	0.04	160
H204	Corridor	22T34RF(u)2	3	78	0.23	3875		907	22T17RF(R)2	32	0.10	372	0.90	0.12	481
H204	Corridor	22T32RF(u)2	3	58	0.17	3875		674	22T17RF(R)2	32	0.10	372	0.90	0.07	272
H204	Corridor	22T32RF(u/em)2	2	58	0.12	3875		450	22T17RF(R/em)2	32	0.06	248	0.90	0.05	181
H204	Corridor	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
H204	Corridor	C23R(CF)1	1	27.6	0.03	3875		107	C23R(CF)1	27.6	0.03	107	0.90	0.00	0
H204	Corridor	24T34RF3	2	117	0.23	3875		907	24T32RF(R)2	58	0.12	450	0.90	0.11	412
206B	Jury Room	24T34RF3	3	117	0.35	500		176	24T32RF(R)2	58	0.17	87	0.33	0.05	80
206B	Jury Room	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	58	0.17	87	0.33	0.03	39
206B	Jury's RR	W34CF2	1	78	0.08	2625		205	W32CF(L)2	52	0.05	137	0.90	0.02	61
206C	Mediation Room	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
H205	Corridor	22T34RF(u/em)2	2	78	0.16	3875		605	22T17RF(R/em)2	32	0.06	248	0.90	0.08	321
H205	Corridor	22T34RF(u/Lou)2	2	78	0.16	3875		605	22T17RF(R/Lou)2	32	0.06	248	0.90	0.08	321
H205	Corridor	22T32RF(u)2	1	58	0.06	3875		225	22T17RF(R)2	32	0.03	124	0.90	0.02	91

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
H205	Corridor	C23R(CF)1	1	27.6	0.03	3875		107	C23R(CF)1	27.6	0.03	107	0.90	0.00	0
H205	Corridor	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
205A	Court Services Admin.	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
205A.1	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
205A.2	Office	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	58	0.12	305	0.90	0.05	137
248	Elect. Room	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	0.00	6
248.1	Women's Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
205B	Conference Room	24T32RF3	3	87	0.26	250		65	24T32RF(R)2	58	0.17	44	0.17	0.01	20
205C	Conference Room	24T32RF3	3	87	0.26	250		65	24T32RF(R)2	58	0.17	44	0.17	0.01	20
205D	Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10	274
204	Receptionist Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10	274
204A	Judge's Chambers	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
204A	Judge's RR	W32CF2	1	58	0.06	2625		152	W32CF2	58	0.06	152	0.90	0.00	0
204B	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
204C	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
246.1	Men's Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
246	Janitor's Closet	S34CF2	1	78	0.08	500		39	S32CF(Lo)2	52	0.05	26	0.33	0.01	12
204B	Jury Room	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	58	0.17	87	0.33	0.03	39
204B	Jury Room	W34CF2	1	78	0.08	500		39	W32CF(Lo)2	52	0.05	26	0.33	0.01	12
204B	Jury's RR	W60WI1	3	60	0.18	2625		473	2W17WF(V)2	32	0.10	252	0.90	0.08	199
H206	Corridor	22T32RF(u/em)2	1	58	0.06	3875		225	22T17RF(R/em)2	32	0.03	124	0.90	0.02	91
H206	Corridor	22T32RF(u)2	2	58	0.12	3875		450	22T17RF(R)2	32	0.05	248	0.90	0.05	181
H206	Corridor	22T34RF(u/em)2	1	78	0.08	3875		302	22T17RF(R/em)2	32	0.03	124	0.90	0.04	160
H206	Corridor	22T34RF(u/Low)2	4	78	0.31	3875		1,209	22T17RF(R/Lou)2	32	0.13	496	0.90	0.17	642
H206	Corridor	X(g)20C12	1	40	0.04	8759.52		350	X(g)2C(LED)1	2	0.00	18	0.90	0.03	300
H206	Corridor	X(g)2C(LED)1	3	2	0.01	8759.52		53	X(g)2C(LED)1	2	0.01	53	0.90	0.00	0
202B	Jury Room	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	58	0.17	87	0.33	0.03	39
202B.1	Women's Restroom	D60WI1	1	52	0.05	2625		137	2W17WF(V)2	32	0.03	84	0.90	0.02	47
202B.2	Men's Restroom	D60WI1	1	52	0.05	2625		137	2W17WF(V)2	32	0.03	84	0.90	0.02	47
202	Receptionist Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10	274
202A	Judge's Chambers	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
202A	Judge's RR	W34CF2	1	78	0.08	2625		205	W32CF(Lo)2	52	0.05	137	0.90	0.02	61

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
202B	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
202C	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
201	Receptionist Office	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	58	0.23	609	0.90	0.10	274
201A	Judge's Chambers	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	58	0.17	457	0.90	0.08	206
201A	Judge's RR	W34CF2	1	78	0.08	2625		205	W32CF(Lo)2	52	0.05	137	0.90	0.02	61
201B	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
202C	Office	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	58	0.06	152	0.90	0.03	69
201B	Jury Room	24T32RF3	4	87	0.35	500		174	24T32RF(R)2	58	0.23	116	0.33	0.03	52
201B.1	Women's Restroom	D60W11	1	52	0.05	2625		137	2W17WF(V)2	32	0.03	84	0.90	0.02	47
201B.2	Men's Restroom	D60W11	1	52	0.05	2625		137	2W17WF(V)2	32	0.03	84	0.90	0.02	47
201B.3	Gun Armory	J60W11	6	60	0.36	500		180	J15W(CF)1	17	0.10	51	0.33	0.08	116
211A	Holding Cell	14B32CF2	1	58	0.06	2625		152	14B32CF2	58	0.06	152	0.90	0.00	0
211B	Holding Cell	14B32CF2	1	58	0.06	2625		152	14B32CF2	58	0.06	152	0.90	0.00	0
211C	Elev. Lobby	14B32CF2	1	58	0.06	3875		225	14B32CF2	58	0.06	225	0.90	0.00	0
H207	Corridor	22T32RF(u)2	3	58	0.17	3875		674	22T17RF(R)2	32	0.10	372	0.90	0.07	272
H207	Corridor	22T32RF(wem)2	2	58	0.12	3875		450	22T17RF(R/em)2	32	0.06	248	0.90	0.05	181
278A	Tele. Rm.	S34WF2	1	78	0.08	250		20	S32WF(Lo)2	52	0.05	13	0.17	0.00	6
H208	Corridor	22T32RF(wem)2	4	58	0.23	3875		899	22T17RF(R/em)2	32	0.13	496	0.90	0.09	363
H208	Corridor	22T32RF(u)2	8	58	0.46	3875		1,798	22T17RF(R)2	32	0.26	992	0.90	0.19	725
H208	Corridor	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
H208	Corridor	C23R(CF)1	5	27.6	0.14	3875		535	C23R(CF)1	27.6	0.14	535	0.90	0.00	0
H208	Corridor	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
	2nd Fir SE Stair Tower	W34WF2	2	78	0.16	3875		605	W32WF(Lo)2	52	0.10	403	0.90	0.05	181
	1st Fir SE Stair Tower	W34WF2	3	78	0.23	3875		907	W32WF(Lo)2	52	0.16	605	0.90	0.07	272
	1st Fir SE Stair Tower	X(g)20C12	1	40	0.04	9759.52		350	X(g)b2C(LED)1	2	0.00	18	0.90	0.03	300
100	File Room	24T34RF3	6	117	0.70	500		351	24T32RF(R/T)2	58	0.35	174	0.33	0.11	159
100	File Room	24T34RF3	106	117	12.40	500		6,201	24T32RF(R)2	58	6.15	3,074	0.33	1.88	2,814
100	File Room	22T34RF(u/Lou)2	4	78	0.31	500		156	22T17RF(R/Lou)2	32	0.13	64	0.33	0.06	83
100	File Room	X(g)20C12	3	40	0.12	8759.52		1,051	X(g)b2C(LED)1	2	0.01	53	0.90	0.10	899
100	File Room	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)b2C(LED)1	2	0.00	35	0.90	0.00	0
100A	Copy Room	24T34RF3	6	117	0.70	2625		1,843	24T32RF(R)2	58	0.35	914	0.90	0.32	836
100B	Elevator Lobby	22T34RF(u/Lou)2	2	78	0.16	3875		605	22T17RF(R/Lou)2	32	0.06	248	0.90	0.08	321

hrs. The demand savings are not fully claimed.

Job No. DWGES30219

Project: Arapahoe County

Building: (35) ACJC Courthouse

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
100C	Storage	S34WF2	4	78	0.31	500		156	S32WF(Lo)2	52	0.21	104	0.33	0.03	47
100D	Office	24T34RF3	5	117	0.59	2625		1,536	24T32RF(R)2	58	0.29	761	0.90	0.27	697
100E	Office	24T34RF3	3	117	0.35	2625		921	24T32RF(R)2	58	0.17	457	0.90	0.16	418
100F	Electrical	S34CF2	1	78	0.08	250		20	S32CF(Lo)2	52	0.05	13	0.17	0.00	6
H100	Hallway	C150R(MH)1	8	165	1.48	3875		5,735	22T17RF(R)2	32	0.26	992	0.90	1.10	4,269
H100	Hallway	X(g)20C12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
105	Mail Room	3W30CF2	10	70	0.70	2625		1,838	3W25CF(Lo)2	48	0.48	1,260	0.90	0.20	520
106	Storage	S34CF2	1	78	0.08	500		39	S32CF(Lo)2	52	0.05	26	0.33	0.01	12
106.1	Women's Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
H101	Hall Way	X(g)20C12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
H101	Hall Way	22T34RF(u/Lou)2	3	78	0.23	3875		907	22T17RF(R/Lou)2	32	0.10	372	0.90	0.12	481
107	File Room	3W30CF2	18	70	1.26	500		630	3W25CF(Lo)2	48	0.86	432	0.33	0.12	178
107A	Restroom	W60WI1	1	60	0.06	2625		158	2W17WFF(v)2	32	0.03	84	0.90	0.03	66
108.1	Men's Restroom	S30CF2	1	70	0.07	2625		184	S25CF(Lo)2	46	0.05	121	0.90	0.02	57
108.1	Men's Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
108	Electrical	S34CF2	1	78	0.08	250		20	S32CF(Lo)2	52	0.05	13	0.17	0.00	6
109	File Room	22T34RF(u/Lou)2	12	78	0.94	500		468	22T17RF(R/Lou)2	32	0.38	192	0.33	0.17	248
109	File Room	3W30CF2	1	70	0.07	500		35	3W25CF(Lo)2	48	0.05	24	0.33	0.01	10
109A	Evidence	3W30CF2	1	70	0.07	2625		184	3W25CF(Lo)2	48	0.05	126	0.90	0.02	52
110	Work Out	3W30CF2	4	70	0.28	2625		735	3W25CF(Lo)2	48	0.19	504	0.90	0.08	208
110A	Shower Room	W34CF(v)2	1	78	0.08	2625		205	W32CF(Lo)2	52	0.05	137	0.90	0.02	61
110A	Shower Room	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
110B	Shower Room	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
110B	Shower Room	W34CF(v)2	1	78	0.08	2625		205	W32CF(Lo)2	52	0.05	137	0.90	0.02	61
H102-3	Hall Way	22T34RF(u/Lou)2	6	78	0.47	3875		1,814	22T17RF(R/Lou)2	32	0.19	744	0.90	0.25	963
H102-3	Hall Way	X(g)20C12	2	40	0.08	8759.52		701	X(g)b)2C(LED)1	2	0.00	35	0.90	0.07	599
109.1	Staff Room	3W30CF2	6	70	0.42	2625		1,103	3W25CF(Lo)2	48	0.29	756	0.90	0.12	312
103	Cafeteria	3W30CF2	12	70	0.84	2625		2,205	3W25CF(Lo)2	48	0.58	1,512	0.90	0.24	624
103	Cafeteria	22T34RF(u/Lou)2	6	78	0.47	2625		1,229	22T17RF(R/Lou)2	32	0.19	504	0.90	0.25	652
103	Cafeteria	24T34RF4	5	156	0.78	2625		2,048	24T32RF(R)2	58	0.29	761	0.90	0.44	1,158
103	Cafeteria	X(g)20C12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
103A	Kitchen Area	S34PF2	1	78	0.08	2625		205	S32PF(Lo)2	52	0.05	137	0.90	0.02	61

Project: Arapahoe County

Job No. DWCES30219

Building: (35) ACJC Courthouse

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
103B	Electrical	24T34RF4	4	156	0.62	250		156	24T32RF(R)2	58	0.23	58	0.17	0.06	88
104A	Jury Room	3W30CF2	6	70	0.42	500		210	3W25CF(LoT)2	48	0.29	144	0.33	0.04	59
104	Jury Room	3W30CF2	17	70	1.19	500		595	3W25CF(Lo)2	48	0.82	408	0.33	0.11	168
104	Jury Room	22T34RF(Lo)2	5	78	0.39	500		195	22T17RF(R/Lou)2	32	0.16	80	0.33	0.07	104
104	Jury Room	X(g)20C12	2	40	0.08	8759.52		701	X(g)b2C(LED)1	2	0.00	35	0.90	0.07	599
104B	Women's Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
104B	Women's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
104C	Men's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
104C	Men's Restroom	14T34RF2	1	78	0.08	2625		205	14T32RF(Lo)2	52	0.05	137	0.90	0.02	61
104D	Law Library	3W30CF2	4	70	0.28	2625		735	3W25CF(Lo)2	48	0.19	504	0.90	0.08	208
104E	Office	3W30CF2	3	70	0.21	2625		551	3W25CF(Lo)2	48	0.14	378	0.90	0.06	156
104F	Office	3W30CF2	2	70	0.14	2625		368	3W25CF(Lo)2	48	0.10	252	0.90	0.04	104
104G	Storage	14T34RF2				500			14T32RF(Lo)2		0.00	0	0.33	0.00	
104G	W Stair	W34WF2	4	78	0.31	3875		1,209	W32WF(Lo)2	52	0.21	806	0.90	0.09	363
104G	E Stair	W34WF2	1	78	0.08	3875		302	W32WF(Lo)2	52	0.05	202	0.90	0.02	91
H104	Hallway	C150R(MH)1	6	185	1.11	3875		4,301	22T17RF(R)2	32	0.19	744	0.90	0.83	3,202
H104	Hallway	X(g)20C12	1	40	0.04	8759.52		350	X(g)b2C(LED)1	2	0.00	18	0.90	0.03	300
102	Main Lobby	C150R(MH)1	26	185	4.81	3875		18,639	22T17RF(R)2	32	0.83	3,224	0.90	3.58	13,873
102	Main Lobby	X(g)2C(LED)1	2	2	0.00	8759.52		35	X(g)b2C(LED)1	2	0.00	35	0.90	0.00	0
102	Main Lobby	C70R(MH)1	6	70	0.42	3875		1,828	C18R(CF)2	42	0.25	977	0.90	0.15	586
102A	Men's Restroom	S34CF2	3	78	0.23	2625		614	S32CF(LoT)2	52	0.16	410	0.90	0.07	184
102A	Men's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
102A	Men's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
102B	Women's Restroom	14T34RF2	2	78	0.16	2625		410	14T32RF(Lo)2	52	0.10	273	0.90	0.05	123
102B	Women's Restroom	S34CF2	3	78	0.23	2625		614	S32CF(LoT)2	52	0.16	410	0.90	0.07	184
102B	Women's Restroom	S34CF2	2	78	0.16	2625		410	S32CF(Lo)2	52	0.10	273	0.90	0.05	123
102C	Elevator Lobby	C150R(MH)1	10	185	1.85	3875		7,169	C18R(CF)2	42	0.42	1,628	0.90	1.29	4,987
102C	Elevator Lobby	X(g)20C12	1	40	0.04	8759.52		350	X(g)b2C(LED)1	2	0.00	18	0.90	0.03	300
102C	Elevator Lobby	S34CF2	4	78	0.31	3875		1,209	S32CF(LoT)2	52	0.21	806	0.90	0.09	363
102C	Elevator Lobby	S34CF2	8	78	0.62	3875		2,418	S32CF(LoT)2	52	0.42	1,612	0.90	0.19	725
102C	Elevator Lobby	S34CF2	2	78	0.16	3875		605	S32CF(Lo)2	52	0.10	403	0.90	0.05	181
102C	Elevator Lobby	S34CF2	1	78	0.08	3875		302	S32CF(Lo)2	52	0.05	202	0.90	0.02	91

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (35) ACJC Courthouse
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
102C	Elevator Lobby	3S30CF2	2	60	0.12	3875		465	3S25CF(Lo)2	48	0.10	372	0.90	0.02	84
102B	Office	3W30CF2	2	70	0.14	2625		368	3W25CF(Lo)2	48	0.10	252	0.90	0.04	104
102A	Office	3W30CF2	2	70	0.14	2625		368	3W25CF(Lo)2	48	0.10	252	0.90	0.04	104
102	Office	3W30CF2	3	70	0.21	2625		551	3W25CF(Lo)2	48	0.14	378	0.90	0.06	156
102	Office	W34WF2	2	78	0.16	2625		410	W32WF(Lo)2	52	0.10	273	0.90	0.05	123
B001	Parking Garage	R100C(HPS)1	23	128	2.94	5109.72		15,043	R100C(HPS)1	128	2.94	15,043	0.90	0.00	0
B001	Parking Garage	W34WF3	1	117	0.12	5109.72		598	W32WF(Lo)3	78	0.08	399	0.90	0.04	179
B001	Parking Garage	X(g)20R12	2	40	0.08	8759.52		701	X(g)2C(LED)1	2	0.00	35	0.90	0.07	599
B002	Tunnel	W34WF3	9	117	1.05	3875		4,080	W32WF(Lo)3	78	0.70	2,720	0.90	0.32	1,224
B002	Tunnel	X(g)20R12	2	40	0.08	8759.52		701	X(g)2C(LED)1	2	0.00	35	0.90	0.07	599
B003	Vault Files - Storage	S34PF2	7	78	0.55	500		273	S32PF(Lo)2	52	0.36	182	0.33	0.05	82
B004	Shop	R100C(HPS)1	1	128	0.13	2625		336	R100C(HPS)1	128	0.13	336	0.90	0.00	0
B004	Shop	S34PF2	2	78	0.16	2625		410	S32PF(Lo)2	52	0.10	273	0.90	0.05	123
B005	Storage Equipment	Locked				500			0		0.00	0	0.33	0.00	
B006	Vault Files - Storage	S34PF2	3	76	0.23	500		117	S32PF(Lo)2	52	0.16	78	0.33	0.02	35
H8007	Mechanical Room	S34PF2	7	78	0.55	250		137	S32PF(Lo)2	52	0.36	91	0.17	0.03	41
B007.1	Telephone Rm.	S34PF2	2	78	0.16	250		39	S32PF(Lo)2	52	0.10	26	0.17	0.01	12
B007.2	Electrical Room	S34PF2	2	78	0.16	250		39	S32PF(Lo)2	52	0.10	26	0.17	0.01	12
B007.2	Electrical Room	S34PF2	3	78	0.23	250		59	S32PF(Lo)2	52	0.16	39	0.17	0.01	18
B007.3	Boiler Room	S34PF2	13	78	1.01	250		254	S32PF(Lo)2	52	0.68	169	0.17	0.05	76
B008	Chiller Room	S34PF2	9	78	0.70	250		176	S32PF(Lo)2	52	0.47	117	0.17	0.04	53
B008.1	Elevator Equipment	S34PF2	1	78	0.08	500		39	S32PF(Lo)2	52	0.05	26	0.33	0.01	12
H8009	Hallway	S34PF2	1	78	0.08	3875		302	S32PF(Lo)2	52	0.05	202	0.90	0.02	91
B010	General Room	S34PF2	3	78	0.23	2625		614	S32PF(Lo)2	52	0.16	410	0.90	0.07	184
B011	Pump Room	S34PF2	2	78	0.16	250		39	S32PF(Lo)2	52	0.10	26	0.17	0.01	12
B012	Storage	S34PF2	1	78	0.08	500		39	S32PF(Lo)2	52	0.05	26	0.33	0.01	12
B012	Storage	X(g)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
B012.1	File Storage	S34PF2	2	78	0.16	500		78	S32PF(Lo)2	52	0.10	52	0.33	0.02	23
B012.2	File Storage	S34PF2	8	78	0.62	500		312	S32PF(Lo)2	52	0.42	208	0.33	0.06	94
B013	East Stair	W34WF2	2	78	0.16	3875		605	W32WF(Lo)2	52	0.10	403	0.90	0.05	181
B013	East Stair	X(g)20R12	1	40	0.04	8759.52		350	X(g)2C(LED)1	2	0.00	18	0.90	0.03	300
B014	Tunnel	W34WF3	6	117	0.70	3875		2,720	W32WF(Lo)3	78	0.47	1,814	0.90	0.21	816

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
B014	Tunnel	X(g)20R12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
B015	Fenced Storage	W34PF2	7	84	0.59	500		294	W32PF(Lo)2	52	0.36	182	0.33	0.07	101
B016	Storage "C"	Locked				500			0		0.00	0	0.33	0.00	
B017	Maint. Supervisor Office	8S75WF2	3	150	0.45	2625		1,181	8S32WF(Lo)4	104	0.31	819	0.90	0.12	328
B018	Break Area	W34PF2	10	84	0.84	2625		2,205	W32PF(Lo)2	52	0.52	1,365	0.90	0.29	756
B019	Hallway	W34PF2	8	84	0.67	3875		2,604	W32PF(Lo)2	52	0.42	1,612	0.90	0.23	893
B020	Maintenance Office	W34PF2	6	84	0.50	2625		1,323	W32PF(Lo)2	52	0.31	819	0.90	0.17	454
B020.1	Elevator Pit	W34PF2	2	84	0.17	3875		651	W32PF(Lo)2	52	0.10	403	0.90	0.06	223
B021	Elevator Lobby	24T34RF3	1	117	0.12	3875		453	24T32RF(R)2	58	0.05	225	0.90	0.05	206
B021	Elevator Lobby	X(g)20R12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
B021.1	Evidence Storage	24T34RF3	2	117	0.23	500		117	24T32RF(R)2	58	0.12	58	0.33	0.04	53
B22	Tunnel	W34WF2	27	78	2.11	3875		8,161	W32WF(Lo)2	52	1.40	5,441	0.90	0.63	2,448
B22	Tunnel	X(g)20R12	1	40	0.04	8759.52		350	X(g)b)2C(LED)1	2	0.00	18	0.90	0.03	300
Outside	Employee Parking	Q400Po(HPS)2	25	920	23.00	5109.72		117,524	Q400Po(HPS)2	920	23.00	117,524	0.90	0.00	0
Outside	Employee Parking	Q400Po(HPS)1	5	460	2.30	5109.72		11,752	Q400Po(HPS)1	460	2.30	11,752	0.90	0.00	0
Outside	Public Parking	Q400Po(HPS)1	6	460	2.76	5109.72		14,103	Q400Po(HPS)1	460	2.76	14,103	0.90	0.00	0
Outside	Public Parking	Q400Po(HPS)2	23	920	21.16	5109.72		108,122	Q400Po(HPS)2	920	21.16	108,122	0.90	0.00	0
Total kW: 277.01									183.92				671.90	73.47	232,351
Total kWh: 852,209.44									594,056						

Project: Arapahoe County

Job No.

DWCES30219

Building: (36) Detention Center

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
H2	Pod 2 Lower Level												0.00		
P2.1	Hallway	W32CF2	17	59	1.00	8736		8,762	W32CF2	59	1.00	8,762	0.90	0.00	0
P2.2	Storage	W32CF2	2	59	0.12	1092		129	W32CF2	59	0.12	129	0.73	0.00	0
P2.3	Exam room	W32CF2	2	59	0.12	2678		316	W32CF2	59	0.12	316	0.90	0.00	0
P2.3A	Class room	14T32RF2	6	59	0.35	2678		948	14T32RF2	59	0.35	948	0.90	0.00	0
P2.4	Classroom restroom	14T32RF3	1	88.5	0.09	8736		773	14T32RF3	88.5	0.09	773	0.90	0.00	0
P2.5	Office	14T32RF2	2	59	0.12	2678		316	14T32RF2	59	0.12	316	0.90	0.00	0
P2.5	Janitor	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00	0
P2.6	Classroom	W32CF2	8	59	0.47	2678		1,264	W32CF2	59	0.47	1,264	0.90	0.00	0
P2.7	Conference room	24T32RF3	3	88.5	0.27	364		97	24T32RF3	88.5	0.27	97	0.24	0.00	0
P2.8	Stair	24T32RF2	2	59	0.12	8736		1,031	24T32RF2	59	0.12	1,031	0.90	0.00	0
P2.9	Operation coordinator	24T32RF2	2	59	0.12	5219.214		616	24T32RF2	59	0.12	616	0.90	0.00	0
P2.10	Women restroom	24T32RF2	1	59	0.06	8736		515	24T32RF2	59	0.06	515	0.90	0.00	0
P2.11	Men restroom	24T32RF2	1	59	0.06	8736		515	24T32RF2	59	0.06	515	0.90	0.00	0
P2.12	Office	24T32RF3	3	88.5	0.27	2678		711	24T32RF3	88.5	0.27	711	0.90	0.00	0
P2.13	Office	24T32RF(Lou)3	2	88.5	0.18	2678		474	24T32RF(Lou)3	88.5	0.18	474	0.90	0.00	0
P2.14	Open office	24T32RF(Lou)3	9	88.5	0.80	2678		2,133	24T32RF(Lou)3	88.5	0.80	2,133	0.90	0.00	0
P2.14	Open office	22T34RF(w)2	3	72	0.22	2805		606	22T17RF(R)2	33	0.10	278	0.90	0.11	295
P2.15	Restroom	14T32RF2	1	59	0.06	8736		515	14T32RF2	59	0.06	515	0.90	0.00	0
P2.16	Uniform storage	14T32RF2	2	59	0.12	1092		129	14T32RF2	59	0.12	129	0.73	0.00	0
P2.17	Work release hall	W32CF2	11	59	0.65	5219.214		3,387	W32CF2	59	0.65	3,387	0.90	0.00	0
P2.17	Work release hall	X(g)2C(LED)1	1	6	0.01	5219.214		31	X(g)2C(LED)1	6	0.01	31	0.90	0.00	0
P2.18	Work release entry	W32CF2	2	59	0.12	5219.214		616	W32CF2	59	0.12	616	0.90	0.00	0
P2.20	Jail industry	14T32RF3	17	88.5	1.50	5219.214		7,852	14T32RF3	88.5	1.50	7,852	0.90	0.00	0
P2.21	Jail industry office	24T32RF3	1	88.5	0.09	5219.214		462	24T32RF3	88.5	0.09	462	0.90	0.00	0
Pod 2	2A-Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 2	2A-Day room	W32CF2	28	59	1.65	5219.214		8,622	W32CF2	59	1.65	8,622	0.90	0.00	0
Pod 2	2A-Day room	WP150W(MH)1	5	190	0.95	5219.214		4,958	WP150W(MH)1	190	0.95	4,958	0.90	0.00	0
Pod 2	Lower cells 2A12-2A22	W32CF2	20	59	1.18	5219.214		6,159	W32CF2	59	1.18	6,159	0.90	0.00	0
Pod 2	Lower shower room	W32CF2	6	59	0.35	5219.214		1,848	W32CF2	59	0.35	1,848	0.90	0.00	0
Pod 2	Lower shower room	WP150W(MH)1	6	190	1.14	5219.214		5,950	WP150W(MH)1	190	1.14	5,950	0.90	0.00	0

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (36) Detention Center
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 2	Janitor room up/down	W32CF2	2	59	0.12	1092		129	W32CF2	59	0.12	129	0.73	0.00	0
Pod 2	Upper cell 2A1-2A11	W32CF2	22	59	1.30	5219.214		6,775	W32CF2	59	1.30	6,775	0.90	0.00	0
Pod 2	upper shower room	W32CF2	6	59	0.35	5219.214		1,848	W32CF2	59	0.35	1,848	0.90	0.00	0
Pod 2	upper shower room	WP150W(MH)1	6	190	1.14	5219.214		5,950	WP150W(MH)1	190	1.14	5,950	0.90	0.00	0
Pod 2	Lower 2B Day Room	W32CF2	7	59	0.41	5219.214		2,156	W32CF2	59	0.41	2,156	0.90	0.00	0
Pod 2	Lower 2B Day Room	W32CF2	6	59	0.35	5219.214		1,848	W32CF2	59	0.35	1,848	0.90	0.00	0
Pod 2	Lower cell 2B4-2B6	W32CF2	12	59	0.71	5219.214		3,695	W32CF2	59	0.71	3,695	0.90	0.00	0
Pod 2	Lower shower room	Q150C(MH)1	1	190	0.19	5219.214		992	Q150C(MH)1	190	0.19	992	0.90	0.00	0
Pod 2	Lower janitor 2B	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00	0
Pod 2	Upper Cell 2B1-2B3	W32CF2	5	59	0.30	5219.214		1,540	W32CF2	59	0.30	1,540	0.90	0.00	0
Pod 2	Upper dayroom	W32CF2	5	59	0.30	5219.214		1,540	W32CF2	59	0.30	1,540	0.90	0.00	0
Pod 2	Upper shower	Q150C(MH)1	2	190	0.38	5219.214		1,983	Q150C(MH)1	190	0.38	1,983	0.90	0.00	0
Pod 2	Stair B/C day run	W32CF2	1	59	0.06	8736		515	W32CF2	59	0.06	515	0.90	0.00	0
Pod 2	2BC Storage	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00	0
Pod 2	2C Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 2	2C Day room	W32CF2	18	59	1.06	5219.214		5,543	W32CF2	59	1.06	5,543	0.90	0.00	0
Pod 2	2C Day room	W32CF4	1	112	0.11	5219.214		585	W32CF4	112	0.11	585	0.90	0.00	0
Pod 2	Lower cells 2C8-2C14	W32CF2	14	59	0.83	5219.214		4,311	W32CF2	59	0.83	4,311	0.90	0.00	0
Pod 2	Lower shower	W32CF4	5	112	0.56	5219.214		2,923	W32CF4	112	0.56	2,923	0.90	0.00	0
Pod 2	Lower shower	Q150C(MH)1	4	190	0.76	5219.214		3,967	Q150C(MH)1	190	0.76	3,967	0.90	0.00	0
Pod 2	Upper/flower Janitor	W32CF2	2	59	0.12	5219.214		616	W32CF2	59	0.12	616	0.90	0.00	0
Pod 2	Upper Cells 2C1-2C7	W32CF2	14	59	0.83	5219.214		4,311	W32CF2	59	0.83	4,311	0.90	0.00	0
Pod 2	2D-day room	22B400C(MH)1	6	458	2.75	5219.214		14,342	22B400C(MH)1	458	2.75	14,342	0.90	0.00	0
Pod 2	2D-day room	W32CF2	19	59	1.12	5219.214		5,851	W32CF2	59	1.12	5,851	0.90	0.00	0
Pod 2	2D-day room	WP150W(MH)1	3	190	0.57	5219.214		2,975	WP150W(MH)1	190	0.57	2,975	0.90	0.00	0
Pod 2	Lower cells 2D1-2D6	W32CF2	12	59	0.71	5219.214		3,695	W32CF2	59	0.71	3,695	0.90	0.00	0
Pod 2	Lower shower	Q150C(MH)1	3	190	0.57	5219.214		2,975	Q150C(MH)1	190	0.57	2,975	0.90	0.00	0
Pod 2	Lower shower	W32CF2	3	59	0.18	5219.214		924	W32CF2	59	0.18	924	0.90	0.00	0
Pod 2	Lower janitor	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00	0
Pod 2	Upper Cells 2D7-2D12	W32CF2	12	59	0.71	5219.214		3,695	W32CF2	59	0.71	3,695	0.90	0.00	0
Pod 2	Upper shower	Q150C(MH)1	4	190	0.76	5219.214		3,967	Q150C(MH)1	190	0.76	3,967	0.90	0.00	0
Pod 2	Upper shower	W32CF2	6	59	0.35	5219.214		1,848	W32CF2	59	0.35	1,848	0.90	0.00	0

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Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 2	Upper Janitor	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00	0
Pod 2	Courtyard	22B400C(MH)1	1	458	0.46	5109.72		2,340	22B400C(MH)1	458	0.46	2,340	0.30	0.00	0
Pod 2	Pod 2 upper Level								0	0	0.00	0	0.00	0.00	0
Pod 2	Pod 2 Hallway	W32CF2	10	59	0.59	8736		5,154	W32CF2	59	0.59	5,154	0.90	0.00	0
Pod 2	Pod 2 upper hall	14T32RF2	27	59	1.59	8736		13,916	14T32RF2	59	1.59	13,916	0.90	0.00	0
Pod 2	Upper control room	24T32RF3	2	88.5	0.18	8736		1,546	24T32RF3	88.5	0.18	1,546	0.90	0.00	0
Pod 2	stair #1	W32CF2	2	59	0.12	8736		1,031	W32CF2	59	0.12	1,031	0.90	0.00	0
Pod 2	stair #1	X(g)2C(LED)1	3	6	0.02	8736		157	X(g)2C(LED)1	6	0.02	157	0.90	0.00	0
Pod 2	Visitor Room V2B	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 2	Visitor Room V2B	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 2	Visitor Room V2C	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 2	Visitor Room PV2C	W32CF2	1	59	0.06	2805		165	W32CF2	59	0.06	165	0.90	0.00	0
Pod 2	Visitor Room PV2D	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 2	Visitor Room PV2A	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 2	Visitor Room V2D	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 2	Visitor Room V2A	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 2	Electrical P201	S32CF2	2	59	0.12	1092		129	S32CF2	59	0.12	129	0.73	0.00	0
Pod 2	Doctor Office P202	S32CF2	2	59	0.12	2678		316	S32CF2	59	0.12	316	0.90	0.00	0
Pod 2	Stair #2	W32WF2	2	59	0.12	8736		1,031	W32WF2	59	0.12	1,031	0.90	0.00	0
Pod 2	Jail Industry #1	8S32CF4	13	112	1.46	5219.214		7,599	8S32CF4	112	1.46	7,599	0.90	0.00	0
Pod 2	Jail Industry #2	8S32CF4	7	112	0.78	5219.214		4,092	8S32CF4	112	0.78	4,092	0.90	0.10	275
Visitation	Lower Visitation Center Lobby VC1	24T34RF3	4	115	0.35	2805	3	968	24T34RF3	59	0.24	662	0.90	0.00	0
Visitation	Lower Visitation Center Lobby VC1	X(g)2C(LED)1	1	6	0.01	2805		17	X(g)2C(LED)1	6	0.01	17	0.90	0.00	0
Visitation	Lower Visitation Center VC2	R26R(CF)1	14	26	0.36	2805		1,021	R26R(CF)1	26	0.36	1,021	0.90	0.00	0
Visitation	Lower Visitation Center VC2	24T34RF3	4	115	0.31	2805	4	860	24T34RF3	59	0.24	662	0.90	0.06	178
Visitation	Lower Control's RR VC4	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Visitation	Lower Control's Office VC3	24B34CF2	1	72	0.07	8736		629	24B34CF(Lo)2	52	0.05	454	0.90	0.02	157
Visitation	Lower Visitor's RR VC5	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 5	Pod 5 Lower Level												0.00		
Pod 5	Pod 5 Hallway	W32CF2	14	59	0.83	8736		7,216	W32CF2	59	0.83	7,216	0.90	0.00	0
Pod 5	Pod 5 Hallway	W32CF(em)2	9	59	0.53	8736		4,639	W32CF(em)2	59	0.53	4,639	0.90	0.00	0
Pod 5	Lower Cellhouse 5A1-5A3	14B32CF2	3	59	0.18	5219.214		924	14B32CF2	59	0.18	924	0.90	0.00	0

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Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 5	Upper Shower Room	Q150C(MH)1	1	190	0.19	5219.214		992	Q150C(MH)1	190	0.19	992	0.90	0.00	0
Pod 5	P5A Day room	14B32CF2	2	59	0.12	5219.214		616	14B32CF2	59	0.12	616	0.90	0.00	0
Pod 5	P5B Day room	22B400C(MH)1	4	458	1.83	5219.214		9,562	22B400C(MH)1	458	1.83	9,562	0.90	0.00	0
Pod 5	Lower P5B Cell 5B7-5B12	14B32CF2	6	59	0.35	5219.214		1,848	14B32CF2	59	0.35	1,848	0.90	0.00	0
Pod 5	Upper P5B Cell 5B1-5B6	14B32CF2	6	59	0.35	5219.214		1,848	14B32CF2	59	0.35	1,848	0.90	0.00	0
Pod 5	Upper P5B Shower	Q150C(MH)1	1	190	0.19	5219.214		992	Q150C(MH)1	190	0.19	992	0.90	0.00	0
Pod 5	Lower P5B Shower	Q150C(MH)1	1	190	0.19	5219.214		992	Q150C(MH)1	190	0.19	992	0.90	0.00	0
Pod 5	Lower P5B Shower	W32CF2	1	59	0.06	5219.214		308	W32CF2	59	0.06	308	0.90	0.00	0
Pod 5	P5B Hallway	W32CF2	5	59	0.30	8736		2,577	W32CF2	59	0.30	2,577	0.90	0.00	0
Pod 5	P5B Control Room	14T32RF3	2	88.5	0.18	8736		1,546	14T32RF3	88.5	0.18	1,546	0.90	0.00	0
Pod 5	P5A Court Yard	14B32CF2	5	59	0.30	5109.72		1,507	14B32CF2	59	0.30	1,507	0.90	0.00	0
Pod 5	P5C Day Room	W32CF2	24	59	1.42	5219.214		7,390	W32CF2	59	1.42	7,390	0.90	0.00	0
Pod 5	P5C Day Room	22B400C(MH)1	11	458	5.04	5219.214		26,294	22B400C(MH)1	458	5.04	26,294	0.90	0.00	0
Pod 5	P5C Day Room	WP150W(MH)1	5	190	0.95	5219.214		4,958	WP150W(MH)1	190	0.95	4,958	0.90	0.00	0
Pod 5	Lower P5C Cell 5C10-5C18	W32CF2	18	59	1.06	5219.214		5,543	W32CF2	59	1.06	5,543	0.90	0.00	0
Pod 5	Lower P5C Shower Room	W32CF2	4	59	0.24	5219.214		1,232	W32CF2	59	0.24	1,232	0.90	0.00	0
Pod 5	Lower P5C Shower Room	W32CF2	1	59	0.06	5219.214		308	W32CF2	59	0.06	308	0.90	0.00	0
Pod 5	Upper P5C Cell 5C1-5C9	W32CF2	18	59	1.06	5219.214		5,543	W32CF2	59	1.06	5,543	0.90	0.00	0
Pod 5	Upper P5C Shower	WP150W(MH)1	4	190	0.76	5219.214		3,967	WP150W(MH)1	190	0.76	3,967	0.90	0.00	0
Pod 5	Upper P5C Shower	W32CF2	8	59	0.47	5219.214		2,463	W32CF2	59	0.47	2,463	0.90	0.00	0
Pod 5	Upper P5C Janitor	W32CF2	2	59	0.12	1092		129	W32CF2	59	0.12	129	0.73	0.00	0
Pod 5	Upper P5C Visitor	W32CF2	1	59	0.06	2805		165	W32CF2	59	0.06	165	0.90	0.00	0
Pod 5	P5C Court Yard	22B400C(MH)1	3	458	1.37	5109.72		7,021	22B400C(MH)1	458	1.37	7,021	0.90	0.00	0
Pod 5	P5D Day Room	W32CF2	18	59	1.06	5219.214		5,543	W32CF2	59	1.06	5,543	0.90	0.00	0
Pod 5	P5D Day Room	22B400C(MH)1	6	458	2.75	5219.214		14,342	22B400C(MH)1	458	2.75	14,342	0.90	0.00	0
Pod 5	P5D Day Room	W32CF2	3	59	0.18	5219.214		924	W32CF2	59	0.18	924	0.90	0.00	0
Pod 5	Upper P5D Cell 5D1-5D6	W32CF3	12	87	1.04	5219.214		5,449	W32CF3	87	1.04	5,449	0.90	0.00	0
Pod 5	Upper P5D Shower	Q150C(MH)1	3	190	0.57	5219.214		2,975	Q150C(MH)1	190	0.57	2,975	0.90	0.00	0
Pod 5	Upper P5D Shower	W32CF2	4	59	0.24	5219.214		1,232	W32CF2	59	0.24	1,232	0.90	0.00	0
Pod 5	Upper P5D Janitor	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00	0
Pod 5	Lower P5D Cell 5D7-5D12	W32CF3	12	87	1.04	5219.214		5,449	W32CF3	87	1.04	5,449	0.90	0.00	0
Pod 5	Lower P5D Shower	W32CF3	3	87	0.26	5219.214		1,362	W32CF3	87	0.26	1,362	0.90	0.00	0

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (36) Detention Center
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
Pod 5	Lower PSD Shower	Q150C(MH)1	4	190	0.76	5219.214		3,967	Q150C(MH)1	190	0.76	3,967	0.90	0.00
Pod 5	Lower PSD Janitor	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00
Pod 5	5D Day Room	WP150W(MH)1	1	190	0.19	5219.214		992	WP150W(MH)1	190	0.19	992	0.90	0.00
Pod 5	P5E1 Hallway	W32CF2	2	59	0.12	8736		1,031	W32CF2	59	0.12	1,031	0.90	0.00
Pod 5	P5E Storage	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00
Pod 5	Upper P5E Cell 5E1-5E6	W32CF2	12	59	0.71	5219.214		3,695	W32CF2	59	0.71	3,695	0.90	0.00
Pod 5	Upper P5E Shower	W32CF3	3	87	0.26	5219.214		1,362	W32CF3	87	0.26	1,362	0.90	0.00
Pod 5	Upper P5E Visitor	W32CF(em)2	2	59	0.12	2805		331	W32CF(em)2	59	0.12	331	0.90	0.00
Pod 5	Upper P5E Janitor	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00
Pod 5	Lower P5E Cell 5E7-5E11	W32CF2	10	59	0.59	5219.214		3,079	W32CF2	59	0.59	3,079	0.90	0.00
Pod 5	Lower P5E Shower	W32CF3	3	87	0.26	5219.214		1,362	W32CF3	87	0.26	1,362	0.90	0.00
Pod 5	Lower P5E Janitor	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00
Pod 5	P5E Day Room	22B400C(MH)1	10	458	4.58	5219.214		23,904	22B400C(MH)1	458	4.58	23,904	0.90	0.00
Pod 5	P5E Day Room	W32CF2	10	59	0.59	5219.214		3,079	W32CF2	59	0.59	3,079	0.90	0.00
Pod 5	P5E Day Room	WP150W(MH)1	3	190	0.57	5219.214		2,975	WP150W(MH)1	190	0.57	2,975	0.90	0.00
Pod 5	P5E Court Yard	22B400C(MH)1	2	458	0.92	5109.72		4,681	22B400C(MH)1	458	0.92	4,681	0.90	0.00
Pod 5	P5F Day Room	14B32CF2	3	59	0.18	5219.214		924	14B32CF2	59	0.18	924	0.90	0.00
Pod 5	P5F Day Room	22B400C(MH)1	2	458	0.92	5219.214		4,781	22B400C(MH)1	458	0.92	4,781	0.90	0.00
Pod 5	Upper Cellhouse 5F1-5F4	14B32CF2	4	59	0.24	5219.214		1,232	14B32CF2	59	0.24	1,232	0.90	0.00
Pod 5	Upper 5F Shower Room	Q150C(MH)1	1	190	0.19	5219.214		992	Q150C(MH)1	190	0.19	992	0.90	0.00
Pod 5	Lower 5F Shower Room	Q150C(MH)1	1	190	0.19	5219.214		992	Q150C(MH)1	190	0.19	992	0.90	0.00
Pod 5	Lower Cellhouse 5F5-5F8	14B32CF2	4	59	0.24	5219.214		1,232	14B32CF2	59	0.24	1,232	0.90	0.00
Pod 5	P5G Day Room	14B32CF2	2	59	0.12	5219.214		616	14B32CF2	59	0.12	616	0.90	0.00
Pod 5	Lower Cellhouse 5G1-5G2	14B32CF2	2	59	0.12	5219.214		616	14B32CF2	59	0.12	616	0.90	0.00
Pod 5	5G MBR Library	24B32CF3	4	87	0.35	2878		932	24B32CF3	87	0.35	932	0.90	0.00
Pod 5	5G Men restroom	14T32RF2	1	59	0.06	8736		515	14T32RF2	59	0.06	515	0.90	0.00
Pod 5	5G Men restroom	14T32RF2	1	59	0.06	8736		515	14T32RF2	59	0.06	515	0.90	0.00
Pod 5	5B Stair	3W25WF2	1	46	0.05	8736		402	3W25WF2	46	0.05	402	0.90	0.00
Pod 5	5B Stair	W32WF2	1	59	0.06	8736		515	W32WF2	59	0.06	515	0.90	0.00
Pod 5	5G Janitor Closet	W32CF2	1	59	0.06	1092		64	W32CF2	59	0.06	64	0.73	0.00
Pod 5	Exam room	24B32CF3	2	87	0.17	2678		466	24B32CF3	87	0.17	466	0.90	0.00
	Pod 5 Upper Level												0.00	

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (36) Detention Center

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 5	Control Room Hallway	W32CF2	22	59	1.30	8736		11,339	W32CF2	59	1.30	11,339	0.90	0.00	0
Pod 5	Control Room	X(g)2C(LED)1	3	6	0.02	8736		157	X(g)2C(LED)1	6	0.02	157	0.90	0.00	0
Pod 5	Control Room	24B32CF3	1	87	0.09	8736		760	24B32CF3	87	0.09	760	0.90	0.00	0
Pod 5	Stair SE2	W32CF2	2	59	0.12	8736		1,031	W32CF2	59	0.12	1,031	0.90	0.00	0
Pod 5	Visitor V5D	W32CF2	1	59	0.06	2805		165	W32CF2	59	0.06	165	0.90	0.00	0
Pod 5	Visitor V5C	W32CF2	1	59	0.06	2805		165	W32CF2	59	0.06	165	0.90	0.00	0
Pod 5	Visitor PV5D	W32CF2	1	59	0.06	2805		165	W32CF2	59	0.06	165	0.90	0.00	0
Pod 5	Visitor PV5C	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 5	Visitor V5B	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 5	Visitor V5E	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 5	Pod 5 Stair	W32CF2	2	59	0.12	8736		1,031	W32CF2	59	0.12	1,031	0.90	0.00	0
Pod 5	Electrical #1	S32CF2	2	59	0.12	1092		129	S32CF2	59	0.12	129	0.73	0.00	0
Pod 5	Visitor V5F	W32CF2	2	59	0.12	2805		331	W32CF2	59	0.12	331	0.90	0.00	0
Pod 5	Electrical #2	S32CF2	3	59	0.18	1092		193	S32CF2	59	0.18	193	0.73	0.00	0
Pod 5	Storage	S32CF2	2	59	0.12	1092		129	S32CF2	59	0.12	129	0.73	0.00	0
Pod 5	JAC1 Waiting Room	24T32RF3	2	88.5	0.18	2678		474	24T32RF3	88.5	0.18	474	0.90	0.00	0
Pod 5	JAC2 Office	24T32RF3	2	88.5	0.18	2678		474	24T32RF3	88.5	0.18	474	0.90	0.00	0
Pod 5	JAC3 Conference	24T32RF3	3	88.5	0.27	364		97	24T32RF3	88.5	0.27	97	0.24	0.00	0
Pod 5	JAC4 Office	24T32RF3	2	88.5	0.18	2678		474	24T32RF3	88.5	0.18	474	0.90	0.00	0
Pod 5	JAC5 Office	24T32RF3	2	88.5	0.18	2678		474	24T32RF3	88.5	0.18	474	0.90	0.00	0
Pod 5	JAC6 Office	24T32RF3	2	88.5	0.18	2678		474	24T32RF3	88.5	0.18	474	0.90	0.00	0
Pod 5	JAC7 Office	24T32RF3	2	88.5	0.18	2678		474	24T32RF3	88.5	0.18	474	0.90	0.00	0
Pod 5	JAC8 Women's RR	14T32RF2	1	59	0.06	8736		515	14T32RF2	59	0.06	515	0.90	0.00	0
Pod 5	JAC9 men's RR	14T32RF2	1	59	0.06	8736		515	14T32RF2	59	0.06	515	0.90	0.00	0
Pod 5	JAC10 Office	24T32RF3	2	88.5	0.18	2678		474	24T32RF3	88.5	0.18	474	0.90	0.00	0
Pod 5	JAC11 Office	24T32RF3	8	88.5	0.71	2678		1,896	24T32RF3	88.5	0.71	1,896	0.90	0.00	0
Pod 5	JAC11A Storage	S32CF2	2	59	0.12	1092		129	S32CF2	59	0.12	129	0.73	0.00	0
Pod 5	JAC11B Stair	24T32RF3	2	88.5	0.18	8736		1,546	24T32RF3	88.5	0.18	1,546	0.90	0.00	0
Pod 5	JAC11B Stair	X(g)2C(LED)1	1	6	0.01	8736		52	X(g)2C(LED)1	6	0.01	52	0.90	0.00	0
Pod 5	JAC11B Stair	W32CF2	1	59	0.06	8736		515	W32CF2	59	0.06	515	0.90	0.00	0
Pod 5	JAC12 Photo Lab	W32CF2	5	59	0.30	1092		322	W32CF2	59	0.30	322	0.73	0.00	0
Pod 5	JAC13 Garage	14T32RF2	4	72	0.29	8736		2,516	14T32RF2(Lo)2	52	0.21	1,817	0.90	0.07	629

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 5	JAC14 Hall	W32CF2	3	59	0.18	8736		1,546	W32CF2	59	0.18	1,546	0.90	0.00	0
Pod 5	JAC15 Storage	S32CF2	7	59	0.41	1092		451	S32CF2	59	0.41	451	0.73	0.00	0
Pod 5	JAC16 Hallway	24T32RF3	7	88.5	0.62	8736		5,412	24T32RF3	88.5	0.62	5,412	0.90	0.00	0
Pod 5	JAC16 Hallway	X(g)2C(LED)1	3	6	0.02	8736		157	X(g)2C(LED)1	6	0.02	157	0.90	0.00	0
Pod 1	Pod 1 Lower Level												0.00		
Pod 1	Hallway H001	14T34RF2	5	72	0.36	8736		3,145	14T32RF(Lo)2	52	0.26	2,271	0.90	0.09	786
Pod 1	Exam room P1	W34CF2	1	72	0.07	2678		193	W32CF(Lo)2	52	0.05	139	0.90	0.02	48
Pod 1	Janitor P1	S34CF2	2	72	0.14	1092		157	S32CF(Lo)T2	51	0.10	111	0.73	0.03	41
Pod 1	Storage P1	S34PF2	5	72	0.36	1092		393	S32PF(Lo)2	52	0.26	284	0.73	0.07	98
Pod 1	Commissary P1.1	14T34RF2	2	72	0.14	1092		157	14T32RF(Lo)2	52	0.10	114	0.73	0.03	39
Pod 1	Sally Port	C60R11	4	60	0.24	2678		643	C15R(CF)1	15	0.06	161	0.90	0.16	434
Pod 1	A1 Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 1	A1 Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 1	Upper Cellhouse 1A1-1A8	W34WF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Upper 1 A Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	Lower Cellhouse 1A9-1A16	W34WF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Lower 1A Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	B1 Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 1	B1 Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 1	Upper Cellhouse 1B1-1B8	W34WF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Upper 1B Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	Lower Cellhouse 1B9-1B16	W34WF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Lower 1B Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	C1 Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 1	C1 Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 1	Upper Cellhouse 1C1-1C8	W34WF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Upper 1C Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	Lower Cellhouse 1C9-1C16	W34WF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Lower 1C Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	D1 Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 1	D1 Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 1	Upper Cellhouse 1D1-1D8	W34WF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(36) Detention Center**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 1	Upper 1D Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	Lower Cellhouse 1D9-1D16	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Lower 1D Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	E1 Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 1	E1 Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 1	Upper Cellhouse 1E1-1E8	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Upper 1E Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	Lower Cellhouse 1E9-1E16	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Lower 1E Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	F1 Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 1	F1 Day room	14B34CF2	11	72	0.79	5219.214		4,134	14B32CF(Lo)2	52	0.57	2,985	0.90	0.20	1,033
Pod 1	Upper Cellhouse 1F1-1F8	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Upper 1F Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	Lower Cellhouse 1F9-1F16	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 1	Lower 1F Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 1	Courtyard	WP150W(MH)1	7	190	1.33	5109.72		6,796	WP150W(MH)1	190	1.33	6,796	0.90	0.00	0
Pod 1	Library	14B34CF2	10	72	0.72	2878		1,928	14B32CF(Lo)2	52	0.52	1,393	0.90	0.18	482
Pod 1	Control Room's Stair	14B34CF2	4	72	0.29	8736		2,516	14B32CF(Lo)2	52	0.21	1,817	0.90	0.07	629
Pod 1	FE1 Tunnel	14T34RF2	1	72	0.07	5219.214		376	14T32RF(Lo)2	52	0.05	271	0.90	0.02	94
Pod 1	FE1 Tunnel	S34CF2	3	72	0.22	5219.214		1,127	S32CF(Lo)2	52	0.16	814	0.90	0.05	282
Pod 1	FE1 Tunnel	X(g)2C(LED)1	2	6	0.01	5219.214		63	X(g)2C(LED)1	6	0.01	63	0.90	0.00	0
Pod 1	FE1 Telephone rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Pod 1	FE1 Electrical Rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Pod 1	FE1 Stair	X(g)2C(LED)1	1	6	0.01	8736		52	X(g)2C(LED)1	6	0.01	52	0.90	0.00	0
Pod 1	P1P3 Lower Hallway	14T34RF3	17	115	1.96	8736		17,079	14T32RF(Lo)3	78	1.33	11,584	0.90	0.57	4,945
Pod 1	P1P3 Lower Hallway	X(g)2C(LED)1	1	6	0.01	8736		52	X(g)2C(LED)1	6	0.01	52	0.90	0.00	0
Pod 1	Pod1 Upper Level												0.00		
Pod 1	Inmate Visitation VS1	14B34CF2	6	72	0.43	2805		1,212	14B32CF(Lo)2	52	0.31	875	0.90	0.11	303
Pod 1	CV1 Lobby	14T34RF3	4	115	0.46	5219.214		2,401	14T32RF(Lo)3	78	0.31	1,628	0.90	0.13	695
Pod 1	CV1A Sergeant's Office	14T34RF2	1	72	0.07	3759.294		271	14T32RF(Lo)2	52	0.05	195	0.90	0.02	68
Pod 1	CV1A Sergeant's Office	W34TF1	1	43	0.04	3759.294		162	W32TF(Lo)1	29	0.03	109	0.90	0.01	47
Pod 1	CV1B Visitor Room	14T34RF2	1	72	0.07	2805		202	14T32RF(Lo)2	52	0.05	146	0.90	0.02	51

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (36) Detention Center

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 1	CV1C Visitor RR	14B34CF2	1	72	0.07	2805		202	14B32CF(Lo)2	52	0.05	146	0.90	0.02	51
Pod 1	Control Room	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 1	Control Room	C60R11	8	60	0.48	8736		4,193	C15R(CF)1	15	0.12	1,048	0.90	0.32	2,831
Pod 1	Control Room's RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 1	V1B Lobby	14T34RF2	3	72	0.22	8736		1,887	14T32RF(Lo)2	52	0.16	1,363	0.90	0.05	472
Pod 1	V1B Inmate	14T34RF2	7	72	0.50	2678		1,350	14T32RF(Lo)2	52	0.36	975	0.90	0.13	337
Pod 1	P1 Men' RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 1	P1 Women' RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Hall	P1-P3 Upper hallway	14T34RF3	17	115	1.96	8736		17,079	14T32RF(Lo)3	78	1.33	11,584	0.90	0.57	4,945
Hall	P1-P3 Upper hallway	X(g)2C(LED)1	3	6	0.02	8736		157	X(g)2C(LED)1	6	0.02	157	0.90	0.00	0
	Pod 3 Lower Level												0.00		
Pod 3	Hallway H003	14T34RF2	5	72	0.36	8736		3,145	14T32RF(Lo)2	52	0.26	2,271	0.90	0.09	786
Pod 3	Exam room P3	W34CF2	1	72	0.07	2678		193	W32CF(Lo)2	52	0.05	139	0.90	0.02	48
Pod 3	Janitor P3	S34CF2	2	72	0.14	1092		157	S32CF(Lo)T)2	51	0.10	111	0.73	0.03	41
Pod 3	Storage P3	S34PF2	5	72	0.36	1092		393	S32PF(Lo)2	52	0.26	284	0.73	0.07	98
Pod 3	Commissary P3.1	14T34RF2	2	72	0.14	1092		157	14T32RF(Lo)2	52	0.10	114	0.73	0.03	39
Pod 3	Sally Port	C60R11	4	60	0.24	2678		643	C15R(CF)1	15	0.06	161	0.90	0.16	434
Pod 3	3A Day room	22B400C(MH)1	7	458	3.21	5219,214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 3	3A Day room	14B34CF2	12	72	0.86	5219,214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 3	Upper Cellhouse 3A1-3A8	W34WF(Up/Dw)IO)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dw)IO)3	90	0.72	3,758	0.90	0.18	940
Pod 3	Upper 3A Shower Room	W23W(CF)1	1	23	0.02	5219,214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 3	Lower Cellhouse 3A9-3A16	W34WF(Up/Dw)IO)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dw)IO)3	90	0.72	3,758	0.90	0.18	940
Pod 3	Lower 3A Shower Room	W23W(CF)1	1	23	0.02	5219,214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 3	3B Day room	22B400C(MH)1	7	458	3.21	5219,214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 3	3B Day room	14B34CF2	12	72	0.86	5219,214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 3	Upper Cellhouse 3B1-3B8	W34WF(Up/Dw)IO)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dw)IO)3	90	0.72	3,758	0.90	0.18	940
Pod 3	Upper 3B Shower Room	W23W(CF)1	1	23	0.02	5219,214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 3	Lower Cellhouse 3B9-3B16	W34WF(Up/Dw)IO)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dw)IO)3	90	0.72	3,758	0.90	0.18	940
Pod 3	Lower 3B Shower Room	W23W(CF)1	1	23	0.02	5219,214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 3	3C Day room	22B400C(MH)1	7	458	3.21	5219,214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 3	3C Day room	14B34CF2	12	72	0.86	5219,214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 3	Upper Cellhouse 3C1-3C8	W34WF(Up/Dw)IO)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dw)IO)3	90	0.72	3,758	0.90	0.18	940

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (36) Detention Center
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
Pod 3	Upper 3C Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	Lower Cellhouse 3C9-3C16	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	940
Pod 3	Lower 3C Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	3D Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0
Pod 3	3D Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	1,127
Pod 3	Upper Cellhouse 3D1-3D8	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	940
Pod 3	Upper 3D Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	Lower Cellhouse 3D9-3D16	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	940
Pod 3	Lower 3D Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	3E Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0
Pod 3	3E Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	1,127
Pod 3	Upper Cellhouse 3E1-3E8	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	940
Pod 3	Upper 3E Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	Lower Cellhouse 3E9-3E16	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	940
Pod 3	Lower 3E Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	3F Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	3F Day room	14B34CF2	11	72	0.79	5219.214		4,134	22B400C(MH)1	458	3.21	16,733	0.90	0
Pod 3	Upper Cellhouse 3F1-3F8	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	14B32CF(Lo)2	52	0.57	2,985	0.90	1,033
Pod 3	Upper 3F Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	940
Pod 3	Lower Cellhouse 3F9-3F16	W34WF(Up/Dwl/O)3	8	115	0.92	5219.214		4,802	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	Lower 3F Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	940
Pod 3	Lower 3F Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0
Pod 3	Courtyard	WP150W(MH)1	7	190	1.33	5109.72		6,796	WP150W(MH)1	190	1.33	6,796	0.90	0
Pod 3	Library	14B34CF2	10	72	0.72	2678		1,928	14B32CF(Lo)2	52	0.52	1,393	0.90	482
Pod 3	Control Room's Stair	14B34CF2	4	72	0.29	8736		2,516	14B32CF(Lo)2	52	0.21	1,817	0.90	629
Pod 3	FE3 Tunnel	14T34RF2	1	72	0.07	5219.214		376	14T32RF(Lo)2	52	0.05	271	0.90	94
Pod 3	FE3 Tunnel	S34CF2	3	72	0.22	5219.214		1,127	S32CF(Lo)2	52	0.16	814	0.90	282
Pod 3	FE3 Tunnel	X(g)2C(LED)1	2	6	0.01	5219.214		63	X(g)2C(LED)1	6	0.01	63	0.90	0
Pod 3	FE3 Telephone rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	20
Pod 3	FE4 Electrical Rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	20
Pod 3	FE3 Stair	X(g)2C(LED)1	1	6	0.01	8736		52	X(g)2C(LED)1	6	0.01	52	0.90	0
Pod 3	Pod3 Upper Level												0.00	
Pod 3	Inmate Visitation VS3	14B34CF2	6	72	0.43	2805		1,212	14B32CF(Lo)2	52	0.31	875	0.90	303

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Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 3	CV3 Lobby	14T34RF3	4	115	0.46	8736		4,019	14T32RF(Lo)3	78	0.31	2,726	0.90	0.13	1,164
Pod 3	CV3A Sergeant's Office	14T34RF2	1	72	0.07	2676		193	14T32RF(Lo)2	52	0.05	139	0.90	0.02	48
Pod 3	CV3A Sergeant's Office	W34TF1	1	43	0.04	2678		115	W32TF(Lo)1	29	0.03	78	0.90	0.01	34
Pod 3	CV3B Visitor Room	14T34RF2	1	72	0.07	2805		202	14T32RF(Lo)2	52	0.05	146	0.90	0.02	51
Pod 3	CV3B Visitor RR	14B34CF2	1	72	0.07	8736		629	14B32CF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 3	Control Room	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 3	Control Room	C60RH	8	60	0.48	8736		4,193	C15R(CF)1	15	0.12	1,048	0.90	0.32	2,831
Pod 3	Control Room's RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 3	V3B Lobby	14T34RF2	3	72	0.22	8736		1,887	14T32RF(Lo)2	52	0.16	1,363	0.90	0.05	472
Pod 3	V3B Inmate	14T34RF2	7	72	0.50	2678		1,350	14T32RF(Lo)2	52	0.36	975	0.90	0.13	337
Pod 3	P3 Men' RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 3	P3 Women RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 4	Pod 4 Lower Level												0.00		
Pod 4	P4 Sally Port	W150W11	4	150	0.60	8736		5,242	W150W11	150	0.60	5,242	0.90	0.00	0
Pod 4	P4 Library	14B34CF2	10	72	0.72	2678		1,928	14B32CF(Lo)2	52	0.52	1,393	0.90	0.18	482
Pod 4	P4 Stair Of Sally Port	14B34CF2	1	72	0.07	8736		629	14B32CF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 4	P4 Stair Of Sally Port	14T34RF2	2	72	0.14	8736		1,258	14T32RF(Lo)2	52	0.10	909	0.90	0.04	315
Pod 4	P4 Stair Of Sally Port	W34WF3	1	115	0.12	8736		1,005	W32WF(Lo)3	78	0.08	681	0.90	0.03	291
Pod 4	P4-H1 Hallway	14T34RF2	15	72	1.08	8736		9,435	14T32RF(Lo)2	52	0.78	6,814	0.90	0.27	2,359
Pod 4	P4 Storage 1	S34CF2	5	72	0.36	1092		393	S32CF(Lo)2	52	0.26	284	0.73	0.07	98
Pod 4	P4 Storage 2	14T34RF2	2	72	0.14	1092		157	14T32RF(Lo)2	51	0.10	111	0.73	0.03	41
Pod 4	P4 Exam Room	W34WF2	2	72	0.14	1092		157	W32WF(Lo)2	51	0.10	111	0.73	0.03	41
Pod 4	P4 Janitor	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Pod 4	P4A Day Room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 4	P4A Day Room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 4	Upper P4A Cell 4A1-4A8	W34WF(Up/Dw)IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw)IO)3	90	0.72	3,758	0.90	0.18	940
Pod 4	Upper and Lower P4A Shower	W23W(CF)1	2	23	0.05	5219.214		240	W23W(CF)1	23	0.05	240	0.90	0.00	0
Pod 4	Lower P4A Cell 4A9-4A16	W34WF(Up/Dw)IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw)IO)3	90	0.72	3,758	0.90	0.18	940
Pod 4	P4B Day Room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 4	P4B Day Room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 4	Upper P4B Cell 4B1-4B8	W34WF(Up/Dw)IO)3	8	115	0.92	5219.214		4,802	W32WF(Up/Dw)IO)3	90	0.72	3,758	0.90	0.18	940
Pod 4	Upper and Lower P4B Shower	W23W(CF)1	2	23	0.05	5219.214		240	W23W(CF)1	23	0.05	240	0.90	0.00	0

Project: **Arapahoe County**
Building: **(36) Detention Center**

Job No. **DWCES30219**

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 4	Lower P4B Cell 4B9-4B16	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	P4C Day Room	22B400C(MH)1	7	458	3.21	5219,214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 4	P4C Day Room	14B34CF2	12	72	0.86	5219,214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 4	Upper P4C Cell 4C1-4C8	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	Upper and Lower P4C Shower	W23W(CF)1	2	23	0.05	5219,214		240	W23W(CF)1	23	0.05	240	0.90	0.00	0
Pod 4	Lower P4C Cell 4C9-4C16	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	P4D Day Room	22B400C(MH)1	7	458	3.21	5219,214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 4	P4D Day Room	14B34CF2	12	72	0.86	5219,214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 4	Upper P4D Cell 4D1-4D8	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	Upper and Lower P4D Shower	W23W(CF)1	2	23	0.05	5219,214		240	W23W(CF)1	23	0.05	240	0.90	0.00	0
Pod 4	Lower P4D Cell 4D9-4D16	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	P4E Day Room	22B400C(MH)1	7	458	3.21	5219,214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 4	P4E Day Room	14B34CF2	12	72	0.86	5219,214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 4	Upper P4E Cell 4E1-4E8	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	Upper and Lower P4E Shower	W23W(CF)1	2	23	0.05	5219,214		240	W23W(CF)1	23	0.05	240	0.90	0.00	0
Pod 4	Lower P4E Cell 4E9-4E16	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	P4F Day Room	22B400C(MH)1	7	458	3.21	5219,214		16,733	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.00	0
Pod 4	P4F Day Room	14B34CF2	12	72	0.86	5219,214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 4	Upper P4F Cell 4F1-4F8	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	Upper and Lower P4F Shower	W23W(CF)1	2	23	0.05	5219,214		240	W23W(CF)1	23	0.05	240	0.90	0.00	0
Pod 4	Lower P4F Cell 4F9-4F16	W34WF(Up/Dwl/O)3	8	115	0.92	5219,214		4,802	W32WF(Up/Dwl/O)3	90	0.72	3,758	0.90	0.18	940
Pod 4	Pod 4 Court Yard	WP150W(MH)1	7	190	1.33	5219,214		6,942	WP150W(MH)1	190	1.33	6,942	0.90	0.00	0
Pod 4	FE4 Tunnel	14T34RF2	1	72	0.07	5219,214		376	14T32RF(Lo)2	52	0.05	271	0.90	0.02	94
Pod 4	FE4 Tunnel	S34CF2	3	72	0.22	5219,214		1,127	S32CF(Lo)2	52	0.16	814	0.90	0.05	282
Pod 4	FE4 Tunnel	X(g)2C(LED)1	2	6	0.01	5219,214		63	X(g)2C(LED)1	6	0.01	63	0.90	0.00	0
Pod 4	FE4 Telephone rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Pod 4	FE4 Electrical Rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Pod 4	FE4 Stair	X(g)2C(LED)1	1	6	0.01	8736		52	X(g)2C(LED)1	6	0.01	52	0.90	0.00	0
Pod 4	Pod 4 Upper Level												0.00		
Pod 4	VF04 Stair	W34CF2	2	72	0.14	8736		1,258	W32CF(Lo)2	52	0.10	909	0.90	0.04	315
Pod 4	Visitation V1B	14T34RF2	4	72	0.29	2805		808	14T32RF(Lo)2	52	0.21	583	0.90	0.07	202
Pod 4	CV4A Sergeant's Office	14T34RF2	1	72	0.07	2878		193	14T32RF(Lo)2	52	0.05	139	0.90	0.02	48

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (36) Detention Center

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 4	CV4B Interview Room	14T34RF2	1	72	0.07	384		26	14T32RF(Lo)2	52	0.05	19	0.24	0.00	7
Pod 4	CV4C Restroom	14B34CF2	1	72	0.07	8736		629	14B32CF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 4	VS4 Visitation	14B34CF2	6	72	0.43	2805		1,212	14B32CF(Lo)2	52	0.31	875	0.90	0.11	303
Pod 4	PS4 Visitation	14T34RF2	6	72	0.43	2805		1,212	14T32RF(Lo)2	52	0.31	875	0.90	0.11	303
Pod 4	Control Room	C60R11	8	60	0.48	8736		4,193	C15R(CF)1	15	0.12	1,048	0.90	0.32	2,831
Pod 4	Control Room	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 4	Control Room RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 4	Visitor Men's RR	14T34RF2	1	72	0.07	2805		202	14T32RF(Lo)2	52	0.05	146	0.90	0.02	51
Pod 4	Visitor Women's RR	14T34RF2	1	72	0.07	2805		202	14T32RF(Lo)2	52	0.05	146	0.90	0.02	51
Pod 6	Pod 6 Lower Level												0.00		
Pod 6	Hallway H001	14T34RF2	5	72	0.36	8736		3,145	14T32RF(Lo)2	52	0.26	2,271	0.90	0.09	786
Pod 6	Exam room P6	W34CF2	1	72	0.07	2678		193	W32CF(Lo)2	52	0.05	139	0.90	0.02	48
Pod 6	Janitor P6	S34CF2	2	72	0.14	1092		157	S32CF(Lo)TJ2	51	0.10	111	0.73	0.03	41
Pod 6	Storage P6	S34PF2	5	72	0.36	1092		393	S32PF(Lo)2	52	0.26	284	0.73	0.07	98
Pod 6	Commissary P1.1	14T34RF2	2	72	0.14	2678		386	14T32RF(Lo)2	52	0.10	279	0.90	0.04	96
Pod 6	Sally Port	C60R11	4	60	0.24	2678		643	C15R(CF)1	15	0.06	161	0.90	0.16	434
Pod 6	6A Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 6	6A Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 6	Upper Cellhouse 6A1-6A8	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Upper 6A Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	Lower Cellhouse 6A9-6A16	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Lower 6A Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	6B Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 6	6B Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 6	Upper Cellhouse 6B1-6B8	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Upper 6B Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	Lower Cellhouse 6B9-6B16	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Lower 6B Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	6C Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 6	6C Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 6	Upper Cellhouse 6C1-6C8	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Upper 6C Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 6	Lower Cellhouse 6C9-6C16	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Lower 6C Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	6D Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 6	6D Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 6	Upper Cellhouse 6D1-6D8	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Upper 6D Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	Lower Cellhouse 6D9-6D16	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Lower 1D Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	6E Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 6	6E Day room	14B34CF2	12	72	0.86	5219.214		4,509	14B32CF(Lo)2	52	0.62	3,257	0.90	0.22	1,127
Pod 6	Upper Cellhouse 6E1-6E8	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Upper 6E Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	Lower Cellhouse 6E9-6E16	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Lower 6E Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	6F Day room	22B400C(MH)1	7	458	3.21	5219.214		16,733	22B400C(MH)1	458	3.21	16,733	0.90	0.00	0
Pod 6	6F Day room	14B34CF2	11	72	0.79	5219.214		4,134	14B32CF(Lo)2	52	0.57	2,985	0.90	0.20	1,033
Pod 6	Upper Cellhouse 6F1-6F8	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Upper 6F Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	Lower Cellhouse 6F9-6F16	W34WFF(Up/Dw/IO)3	8	115	0.92	5219.214		4,802	W32WFF(Up/Dw/IO)3	90	0.72	3,758	0.90	0.18	940
Pod 6	Lower 6F Shower Room	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Pod 6	Courtyard P6	WP150W(MH)1	7	190	1.33	5109.72		6,796	WP150W(MH)1	190	1.33	6,796	0.90	0.00	0
Pod 6	Library	14B34CF2	10	72	0.72	2878		1,928	14B32CF(Lo)2	52	0.52	1,393	0.90	0.18	482
Pod 6	Control Room's Stair	14B34CF2	4	72	0.29	8736		2,516	14B32CF(Lo)2	52	0.21	1,817	0.90	0.07	629
Pod 6	FE6 Tunnel	14T34RF2	1	72	0.07	5219.214		376	14T32RF(Lo)2	52	0.05	271	0.90	0.02	94
Pod 6	FE6 Tunnel	S34CF2	3	72	0.22	5219.214		1,127	S32CF(Lo)2	52	0.16	814	0.90	0.05	282
Pod 6	FE6 Tunnel	X(g)2C(LED)1	2	6	0.01	5219.214		63	X(g)2C(LED)1	6	0.01	63	0.90	0.00	0
Pod 6	FE6 Telephone rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Pod 6	FE6 Electrical Rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Pod 6	FE6 Stair	X(g)2C(LED)1	1	6	0.01	8736		52	X(g)2C(LED)1	6	0.01	52	0.90	0.00	0
Hall	P4-P6 Lower Hallway	14T34RF3	17	115	1.96	8736		17,079	14T32RF(Lo)3	78	1.33	11,584	0.90	0.57	4,945
Hall	P4-P6 Lower Hallway	X(g)2C(LED)1	1	6	0.01	8736		52	X(g)2C(LED)1	6	0.01	52	0.90	0.00	0
Pod 6	Pod 6 Upper Level												0.00		

hrs. The demand savings are not fully claimed.

Job No. DWGES30219

Project: Arapahoe County

Building: (36) Detention Center

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Pod 6	Inmate Visitation VS6	14B34CF2	6	72	0.43	2805		1,212	14B32CF(Lo)2	52	0.31	875	0.90	0.11	303
Pod 6	CV6 Lobby	14T34RF3	4	115	0.46	8736		4,019	14T32RF(Lo)3	78	0.31	2,726	0.90	0.13	1,164
Pod 6	CV6A Sergeant's Office	14T34RF2	1	72	0.07	2678		193	14T32RF(Lo)2	52	0.05	139	0.90	0.02	48
Pod 6	CV6A Sergeant's Office	W34TF1	1	43	0.04	2678		115	W32TF(Lo)1	29	0.03	78	0.90	0.01	34
Pod 6	CV6B Visitor Room	14T34RF2	1	72	0.07	2805		202	14T32RF(Lo)2	52	0.05	146	0.90	0.02	51
Pod 6	CV6C Visitor RR	14B34CF2	1	72	0.07	8736		629	14B32CF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 6	Control Room	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 6	Control Room	C60RH	8	60	0.48	8736		4,193	C15R(CF)1	15	0.12	1,048	0.90	0.32	2,831
Pod 6	Control Room's RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 6	V6B Lobby	14T34RF2	3	72	0.22	8736		1,887	14T32RF(Lo)2	52	0.16	1,363	0.90	0.05	472
Pod 6	V6B Inmate	14T34RF2	7	72	0.50	2678		1,350	14T32RF(Lo)2	52	0.36	975	0.90	0.13	337
Pod 6	P6 Men' RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Pod 6	P6 Women RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
Hall	P4-P6 Upper hallway	14T34RF3	17	115	1.96	8736		17,079	14T32RF(Lo)3	78	1.33	11,584	0.90	0.57	4,945
Hall	P4-P6 Upper hallway	X(g)2C(LED)1	3	6	0.02	8736		157	X(g)2C(LED)1	6	0.02	157	0.90	0.00	0
Tunnel	T2 Tunnel	W34WF2	19	72	1.37	8736		11,951	W32WF(Lo)2	52	0.99	8,631	0.90	0.34	2,988
Tunnel	T2 Tunnel	X(g)2C(LED)1	3	6	0.02	8736		157	X(g)2C(LED)1	6	0.02	157	0.90	0.00	0
Tunnel	T2 Tunnel	C150R(MH)1	5	190	0.35	8736		8,299	C18R(CF)2	36	0.18	1,572	0.90	0.69	6,054
Upper	Upper Level												0.00		
Upper	Main (Hall)Street	14T34RF3	28	115	3.22	8736		28,130	14T32RF(Lo)3	78	2.18	19,079	0.90	0.93	8,145
Upper	Main (Hall)Street	W34CF2	1	72	0.07	8736		629	W32CF(Lo)2	52	0.05	454	0.90	0.02	157
	Main Lobby Double Door-Vestibule	C150R(MH)1	3	190	0.57	8736		4,980	C18R(CF)2	36	0.11	943	0.90	0.42	3,632
100	Main Entrance Lobby	C150R(MH)1	8	190	1.52	2678		4,071	22T1TRF(R)2	33	0.26	707	0.90	1.13	3,027
100	Main Entrance Lobby	24T34RF3	1	115	0.12	8736		1,005	24T32RF(R)2	59	0.06	515	0.90	0.05	440
100.1	Main Entrance Lobby RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)T)2	51	0.05	446	0.90	0.02	165
100.2	Women's RR	14T34RF2	2	72	0.14	8736		1,258	14T32RF(Lo)T)2	51	0.10	891	0.90	0.04	330
100.3	Men's RR	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)T)2	51	0.05	446	0.90	0.02	165
100A	Elevator Lobby	24T34RF4	3	144	0.43	8736		3,774	24T32RF(R)2	59	0.18	1,546	0.90	0.23	2,005
100B	Visitor Locker Rm	C13R(CF)1	2	13	0.03	2805		73	C13R(CF)1	13	0.03	73	0.90	0.00	0
100B	Visitor Locker Rm	24T34RF4	2	144	0.29	2805		808	24T32RF(R)2	59	0.12	331	0.90	0.15	429
101	Administration Office	24T34RF4	12	144	1.73	2678		4,628	24T32RF(R)2	59	0.71	1,896	0.90	0.92	2,458
101.1	Office	24T34RF3	4	115	0.45	2678		1,232	24T32RF(R)2	59	0.24	632	0.90	0.20	540

hrs. The demand savings are not fully claimed.

Job No. **DWCES30219**

Project: **Arapahoe County**
Building: **(36) Detention Center**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
101.2 Office		24T34RF3	4	115	0.46	2678		1,232	24T32RF(R)2	59	0.24	632	0.90	0.20	540
101.3 Office		24T34RF3	3	115	0.35	2678		924	24T32RF(R)2	59	0.18	474	0.90	0.15	405
101.4 Office		24T34RF3	2	115	0.23	2678		616	24T32RF(R)2	59	0.12	316	0.90	0.10	270
101.5 Conference room		24T34RF3	4	115	0.46	354		167	24T32RF(R)2	59	0.24	86	0.24	0.05	73
101.6 Open Office		24T34RF4	16	144	2.30	2678		6,170	24T32RF(R)2	59	0.84	2,528	0.90	1.22	3,278
101.6A Office		24T34RF4	2	144	0.29	2678		771	24T32RF(R)2	59	0.12	316	0.90	0.15	410
101.6B Office		24T34RF3	2	115	0.23	2678		616	24T32RF(R)2	59	0.12	316	0.90	0.10	270
101.6C Office		24T34RF3	2	115	0.23	2678		616	24T32RF(R)2	59	0.12	316	0.90	0.10	270
101.6D Storage		S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
101.6E Women's RR		W34CF2	1	72	0.07	8736		629	W32CF(Lo)2	52	0.05	454	0.90	0.02	157
101.6F Men's RR		W34CF2	1	72	0.07	8736		629	W32CF(Lo)2	52	0.05	454	0.90	0.02	157
101.6G Work Room		24T34RF3	2	115	0.23	2678		616	24T32RF(R)2	59	0.12	316	0.90	0.10	270
2049 Computer Room		W34CF4	4	144	0.58	2678		1,543	W32CF(Lo)4	102	0.41	1,093	0.90	0.15	405
2050 Computer Room		S34CF2	2	72	0.14	2678		386	S32CF(Lo)2	52	0.10	279	0.90	0.04	96
101.6H Office		W34CF4	6	144	0.86	2678		2,314	W32CF(Lo)4	102	0.61	1,539	0.90	0.23	607
CCH Central Control Hall		W34CF4	2	144	0.29	8736		2,516	W32CF(Lo)4	102	0.20	1,792	0.90	0.08	660
CCH Central Control Hall		14B34CF2	1	72	0.07	8736		629	14B32CF(Lo)2	52	0.05	454	0.90	0.02	157
CC-1 Central Control Office		24T34RF4	4	144	0.58	8736		5,032	24T32RF(R)2	59	0.24	2,062	0.90	0.31	2,673
CC-1 Central Control Office		C13R(CF)1	1	13	0.01	8736		114	C13R(CF)1	13	0.01	114	0.90	0.00	0
102 Briefing Room		R60W12	2	120	0.24	2678		643	D13W(CF)2	26	0.05	139	0.90	0.17	453
102 Briefing Room		24T34RF4	4	144	0.59	8736		5,032	24T32RF(R)2	56	0.22	1,957	0.90	0.32	2,768
103 Office		14T34RF2	2	72	0.14	2678		386	14T32RF(Lo)2	52	0.10	279	0.90	0.04	96
2010 Audio Visual		14T34RF2	2	72	0.14	2678		386	14T32RF(Lo)2	52	0.10	279	0.90	0.04	96
H103 Hallway H103		14T34RF2	5	72	0.36	8736		3,145	14T32RF(Lo)2	52	0.26	2,271	0.90	0.09	786
H103 Hallway H103		C13R(CF)1	1	13	0.01	8736		114	C13R(CF)1	13	0.01	114	0.90	0.00	0
2022 Activity Room		24T34RF4	6	144	0.86	2678		2,314	24T32RF(R)2	59	0.35	948	0.90	0.46	1,229
103.1 Storage		14T34RF2	1	72	0.07	1092		79	14T32RF(Lo)2	52	0.05	57	0.73	0.01	20
2028 Women's Locker Rm		22T34RF(u)2	10	72	0.72	2678		1,928	22T17RF(R)2	33	0.33	884	0.90	0.35	940
2028 Women's Shower Rm		W18C(CF)1	4	18	0.07	1092		79	W18C(CF)1	18	0.07	79	0.73	0.00	0
2023 Men's Locker Rm		24T34RF4	6	144	0.86	2678		2,314	24T32RF(R)2	59	0.35	948	0.90	0.46	1,229
2023 Men's Locker Rm		22T34RF(u)2	15	72	1.08	2678		2,892	22T17RF(R)2	33	0.50	1,326	0.90	0.53	1,410
2023 Men's Shower Rm		C60R11	4	60	0.24	2678		643	C15R(CF)1	15	0.06	161	0.90	0.16	434

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (36) Detention Center

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
2021	Classroom	24T34RF(Lou)4	12	144	1.73	2678		4,628	24T32RF(Lou)2	59	0.71	1,896	0.90	0.92	2,458
2021	Classroom	X(g)20C12	1	40	0.34	8759.52		350	X(g)20C(LED)1	6	0.01	53	0.90	0.03	268
2009	Electrical Rm	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
	Lower Level												0.00		
1071	Boiler Room	I34PF2	20	72	1.44	1092		1,572	I32PF(Lo)2	52	1.04	1,136	0.73	0.26	393
	Sally Port Garage	18W110CF(Vt)2	4	207	0.83	2678		2,217	18W32CF(Vt)4	112	0.45	1,200	0.90	0.34	916
	Sally Port Garage	W34CF2	1	72	0.07	2678		193	W32CF(Lo)2	52	0.05	139	0.90	0.02	48
1001	Storage	S34PF2	1	72	0.07	1092		79	S32PF(Lo)2	52	0.05	57	0.73	0.01	20
1002	Storage	S34CF2	2	72	0.14	1092		157	S32CF(Lo)2	51	0.10	111	0.73	0.03	41
1003	Storage	S34PF2	1	72	0.07	1092		79	S32PF(Lo)2	52	0.05	57	0.73	0.01	20
K3	Can Food Storage	W34CF2	7	72	0.50	1092		550	W32CF(Lo)2	52	0.36	397	0.73	0.09	138
K3A	Can Food Storage	S34CF(Tg)2	1	72	0.07	1092		79	W32CF(Lo)2	52	0.05	57	0.73	0.01	20
K4	Serving/ Kitchen Area	24T34RF4	51	144	7.34	2678		19,667	24T32RF(R)2	59	3.01	8,058	0.90	3.90	10,448
K4	Kitchen Hood	14T34RF2	10	72	0.72	2678		1,928	14T32RF(Lo)2	52	0.52	1,393	0.90	0.18	482
K5	Dock Area	WP100W(HPS)1	2	138	0.28	5219.214		1,441	WP100W(HPS)1	138	0.28	1,441	0.90	0.00	0
K6	Dishwasher	24T34RF4	5	144	0.72	2678		1,928	24T32RF(R)2	59	0.30	790	0.90	0.38	1,024
K7	Kitchen's Office	24T34RF4	2	144	0.29	3759.294		1,083	24T32RF(R)2	59	0.12	444	0.90	0.15	575
K7A	Office's Storage 1321	S34PF2	1	72	0.07	1092		79	S32PF(Lo)2	52	0.05	57	0.73	0.01	20
K7B	Restroom	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
K7C	Restroom	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
K7D	Office	24T34RF4	2	144	0.29	2678		771	24T32RF(R)2	59	0.12	316	0.90	0.15	410
K8	Laundry Room	24T34RF4	4	144	0.58	5219.214		3,006	24T32RF(R)2	56	0.22	1,169	0.90	0.32	1,653
K8	Laundry Room	24T34RF4	13	144	1.87	5219.214		9,770	24T32RF(R)2	59	0.77	4,003	0.90	0.99	5,191
K8A	Electrical Room	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
K8B	Storage	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
K8C	Restroom	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
K8D	Supervisor Office 1309	24T34RF3	2	115	0.23	2679		616	24T32RF(R)2	59	0.12	316	0.90	0.10	270
K9	Hallway K9	14T34RF2	4	72	0.29	8736		2,516	14T32RF(Lo)2	52	0.21	1,817	0.90	0.07	629
K9	Hallway K9	X(g)20C(LED)1	1	6	0.01	8736		52	X(g)20C(LED)1	6	0.01	52	0.90	0.00	0
K9A	Double Doors	14T34RF2	2	72	0.14	8736		1,258	14T32RF(Lo)2	52	0.10	909	0.90	0.04	315
H5	Inpatient Office #1	24T34RF2	2	72	0.14	2678		386	24T32RF(Lo)2	52	0.10	279	0.90	0.04	96
H5	Hallway HM2	14T34RF2	3	72	0.22	8736		1,887	14T32RF(Lo)2	52	0.16	1,363	0.90	0.05	472

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(36) Detention Center**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
H5	Inpatient Office #2	24T34RF3	2	115	0.23	2678		616	24T32RF(R)2	59	0.12	316	0.90	0.10	270
H5	Inpatient Office #3	24T34RF3	1	115	0.12	2678		308	24T32RF(R)2	59	0.06	158	0.90	0.05	135
H5	Inpatient Office #4	24T34RF3	2	115	0.23	2678		616	24T32RF(R)2	59	0.12	316	0.90	0.10	270
H5	Inpatient Office #5	24T34RF3	2	115	0.23	2678		616	24T32RF(R)2	59	0.12	316	0.90	0.10	270
H5	Inpatient Office #6	24T34RF2	3	72	0.22	2678		578	24T32RF(L)2	52	0.16	418	0.90	0.05	145
Inpatient	Inpatient Hall H5.1	14T34RF2	4	72	0.29	2678		771	14T32RF(L)2	52	0.21	557	0.90	0.07	193
Inpatient	Nurse Station 1227	24T34RF3	5	115	0.58	2678		1,540	24T32RF(R)2	59	0.30	790	0.90	0.25	675
Inpatient	Clean Linen 1228	14T34RF2	2	72	0.14	5219.214		752	14T32RF(L)2	52	0.10	543	0.90	0.04	188
Inpatient	Storage 1228A	14T34RF2	1	72	0.07	1092		79	14T32RF(L)2	52	0.05	57	0.73	0.01	20
Inpatient	Nurse's RR 1228B	14T34RF2	1	72	0.07	8736		629	14T32RF(L)2	52	0.05	454	0.90	0.02	157
Inpatient	Pharmacy 1228C	14T34RF2	2	72	0.14	2678		386	14T32RF(L)2	52	0.10	279	0.90	0.04	96
Inpatient	Janitor 1243	S34PF2	1	72	0.07	1092		79	S32PF(L)2	52	0.05	57	0.73	0.01	20
Inpatient	Electrical 1242	S34PF2	1	72	0.07	1092		79	S32PF(L)2	52	0.05	57	0.73	0.01	20
Inpatient	BC Inpatient	14T34RF3	6	115	0.69	2678		1,848	14T32RF(L)3	78	0.47	1,253	0.90	0.20	535
Inpatient	2 Shower Room	W23W(CF)1	2	23	0.05	5219.214		240	W23W(CF)1	23	0.05	240	0.90	0.00	0
Inpatient	BC.1 Restroom	14T34RF2	1	72	0.07	8736		629	14T32RF(L)2	52	0.05	454	0.90	0.02	157
Inpatient	BC.2 Storage	14T34RF2	1	72	0.07	1092		79	14T32RF(L)2	52	0.05	57	0.73	0.01	20
Inpatient	Holding Cell BC1-BC8	W34W(FUp/DwI/O)3	8	115	0.92	8736		8,037	W32W(FUp/DwI/O)3	90	0.72	6,250	0.90	0.18	1,573
Inpatient	Hallway M7	14T34RF2	2	72	0.14	8736		1,258	14T32RF(L)2	52	0.10	909	0.90	0.04	315
Inpatient	Holding Cell MC1-MC12	W34W(FUp/DwI/O)3	12	115	1.38	8736		12,056	W32W(FUp/DwI/O)3	90	1.08	9,435	0.90	0.27	2,359
Inpatient	Three Shower Rm	W18C(CF)1	3	18	0.05	5219.214		282	W18C(CF)1	18	0.05	282	0.90	0.00	0
Inpatient	MC Hallway	14T34RF2	9	72	0.65	8736		5,661	14T32RF(L)2	52	0.47	4,088	0.90	0.16	1,415
Inpatient	Exam Room MC.2	24T34RF4	2	144	0.29	2678		771	24T32RF(R)2	59	0.12	316	0.90	0.15	410
Inpatient	Restroom MC.3	J60W11	1	60	0.06	4368		262	J15W(CF)1	15	0.02	66	0.90	0.04	177
Inpatient	Oxygen Storage MC.4	14T34RF2	1	72	0.07	1092		79	14T32RF(L)2	52	0.05	57	0.73	0.01	20
Inpatient	Shower Room MC.1	24T34RF3	1	115	0.12	5219.214		600	24T32RF(R)2	59	0.06	308	0.90	0.05	263
Outpatient	Hallway	24T34RF3	6	115	0.69	8736		6,028	24T32RF(R)2	59	0.35	3,093	0.90	0.30	2,642
Outpatient	Hallway	14T34RF3	1	115	0.12	8736		1,005	14T32RF(L)3	78	0.08	681	0.90	0.03	291
Outpatient	Lab 1091	24T34RF4	4	144	0.58	2678		1,543	24T32RF(R)2	56	0.22	600	0.90	0.32	848
Outpatient	Restroom 1090	14T34RF2	1	72	0.07	8736		629	14T32RF(L)2	52	0.05	454	0.90	0.02	157
Outpatient	Nurse Station 1202	S34CF2	1	72	0.07	2678		193	S32CF(L)2	52	0.05	139	0.90	0.02	48
Outpatient	Nurse Station 1202	24T34RF4	4	144	0.58	2678		1,543	24T32RF(R)2	59	0.24	632	0.90	0.31	820

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Project: Arapahoe County
Building: (36) Detention Center
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Outpatient	Women RR 1202A	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.30	0.02	157
Outpatient	Office 1099	24T34RF3	3	115	0.35	2678		924	24T32RF(R)2	59	0.18	474	0.30	0.15	405
Outpatient	Restroom 1099A	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.30	0.02	157
Outpatient	Dental 1098	24T34RF4	2	144	0.29	2678		771	24T32RF(R)T)2	56	0.11	300	0.30	0.16	424
Outpatient	Office 1095	24T34RF4	2	144	0.29	2678		771	24T32RF(R)T)2	56	0.11	300	0.30	0.16	424
Outpatient	Treatment 1094	24T34RF4	4	144	0.58	2678		1,543	24T32RF(R)T)2	56	0.22	600	0.30	0.32	848
Outpatient	Treatment 1094	24T34RF4	3	144	0.43	2678		1,157	24T32RF(R)2	59	0.18	474	0.30	0.23	615
Outpatient	X-ray 1093	24T34RF4	2	144	0.29	2678		771	24T32RF(R)2	59	0.12	316	0.30	0.15	410
Outpatient	File Room 1092	24T34RF4	3	144	0.43	1092		472	24T32RF(R)2	59	0.18	193	0.73	0.17	251
Outpatient	File Room 1092	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Outpatient	Waiting Room 1091	S34CF2	1	72	0.07	2678		193	S32CF(Lo)2	52	0.05	139	0.30	0.02	48
Outpatient	Waiting Room 1091A	W34CF2	1	72	0.07	2678		193	W32CF(Lo)2	52	0.05	139	0.90	0.02	48
CL Area	Crew Leader Area	14T34RF3	5	115	0.58	2678		1,540	14T32RF(Lo)3	78	0.39	1,044	0.90	0.17	446
CL Area	Office CL1	24T34RF4	2	144	0.29	2678		771	24T32RF(R)2	59	0.12	316	0.90	0.15	410
CL Area	Office CL2	24T34RF4	2	144	0.29	2678		771	24T32RF(R)2	59	0.12	316	0.90	0.15	410
CL Area	Office CL3	24T34RF4	2	144	0.29	2678		771	24T32RF(R)2	59	0.12	316	0.90	0.15	410
CL Area	Restroom CL3A	14T34RF2	1	72	0.07	8736		629	14T32RF(Lo)2	52	0.05	454	0.90	0.02	157
CL Area	1213 Storage CL4	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
CL Area	1213 Storage CL4	I34PF2	1	72	0.07	1092		79	I32PF(Lo)2	52	0.05	57	0.73	0.01	20
CL Area	Electrical CL4A	I34PF2	6	72	0.43	1092		472	I32PF(Lo)2	52	0.31	341	0.73	0.08	118
CL Area	Stair CL4B	X(g)2C(LED)1	1	6	0.01	8736		52	X(g)2C(LED)1	6	0.01	52	0.90	0.00	0
CL Area	Stair CL4B	W34WF2	1	72	0.07	8736		629	W32WF(Lo)2	52	0.05	454	0.90	0.02	157
CL Area	Shower Room CL5	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
CL Area	Shower Room CL6	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
CL Area	Shower Room CL7	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
CL Area	Shower Room CL8	W23W(CF)1	1	23	0.02	5219.214		120	W23W(CF)1	23	0.02	120	0.90	0.00	0
Property	Property Room 1043A	S34CF2	2	72	0.14	2678		386	S32CF(Lo)2	52	0.10	279	0.90	0.04	96
Property	Property Room 1043	S34CF2	2	72	0.14	2678		386	S32CF(Lo)T)2	51	0.10	273	0.90	0.04	101
Property	Property Room 1043	S34CF2	18	72	1.30	2678		3,471	S32CF(Lo)2	52	0.94	2,507	0.90	0.32	868
Intake	Holding Cell Hall HC1-5	14T34RF2	6	72	0.43	8736		3,774	14T32RF(Lo)2	52	0.31	2,726	0.90	0.11	944
Intake	Holding Cell HC1-HC5	W34WF(Up/Dw)IO)3	6	115	0.69	8736		6,028	W32WF(Up/Dw)IO)3	90	0.54	4,717	0.90	0.14	1,179
Intake	Holding Cell HC1-HC5	14B34CF2	3	72	0.22	8736		1,887	14B32CF(Lo)2	52	0.16	1,363	0.90	0.05	472

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Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
Court	Basement Lobby	C60R11	1	60	0.06	2678		161	C15R(CF)1	15	0.02	40	0.90	0.04	109
Court	Electrical 1037	S34CF2	2	72	0.14	1092		157	S32CF(LoT)2	51	0.10	111	0.73	0.03	41
Court	Control Room 1037A	S34CF2	2	72	0.14	8736		1,258	S32CF(LoT)2	51	0.10	891	0.90	0.04	330
Court	Holding Cell CH1	14B34CF2	3	72	0.22	8736		1,887	14B32CF(Lo)2	52	0.16	1,363	0.90	0.05	472
Court	Holding Cell CH2	W34CF2	3	72	0.22	8736		1,887	W32CF(Lo)2	52	0.16	1,363	0.90	0.05	472
Court	Holding Cell CH3	W34CF2	3	72	0.22	8736		1,887	W32CF(Lo)2	52	0.16	1,363	0.90	0.05	472
Court	Hallway CH4	14T34RF2	7	72	0.50	8736		4,403	14T32RF(Lo)2	52	0.36	3,180	0.90	0.13	1,101
Court	Hallway CH4	X(g)20CI2	1	40	0.04	8759.52		350	X(g)2C(LED)1	6	0.01	53	0.90	0.03	268
Court	Elevator Room 1036	S34PF2	1	72	0.07	1092		79	S32PF(Lo)2	52	0.05	57	0.73	0.01	20
Court	Electrical Room 1037	S34PF2	1	72	0.07	1092		79	S32PF(Lo)2	52	0.05	57	0.73	0.01	20
Court Sev.	Court Services Area	24T34RF4	8	144	1.15	8736		10,064	24T32RF(R)2	59	0.47	4,123	0.90	0.61	5,346
Court Sev.	Office #1	24T34RF4	1	144	0.14	2678		366	24T32RF(R)2	59	0.06	158	0.90	0.08	205
Court Sev.	Office #2	24T34RF4	1	144	0.14	2678		366	24T32RF(R)2	59	0.06	158	0.90	0.08	205
Court Sev.	Office #2	W34TF1	1	43	0.04	2678		115	W32TF(Lo)1	29	0.03	78	0.90	0.01	34
Court Sev.	Office #3	24T34RF4	4	144	0.58	2678		1,543	24T32RF(R)2	59	0.24	632	0.90	0.31	820
Court Sev.	Restroom #4	W34WF2	2	72	0.14	8736		1,258	W32WF(Lo)2	52	0.10	909	0.90	0.04	315
Court Sev.	Lower Main Library 1061	24T34RF4	9	144	1.30	2678		3,471	24T32RF(R)2	59	0.53	1,422	0.90	0.69	1,844
Lower	Lower Main (Hall)Street	14T34RF3	28	115	3.22	8736		28,130	14T32RF(Lo)3	78	2.18	19,079	0.90	0.93	8,145
Lower	Lower Main (Hall)Street	W34CF2	1	72	0.07	8736		629	W32CF(Lo)2	52	0.05	454	0.90	0.02	157
	Upper Armory AR1	J60W11	3	60	0.18	2678		482	J15W(CF)1	15	0.05	121	0.90	0.12	325
	Janitor Of Main Hall	S34CF2	1	72	0.07	1092		79	S32CF(Lo)2	52	0.05	57	0.73	0.01	20
Exterior	Outside light	WP250W(HPS)1	20	295	5.90	5109.72		30,147	WP250W(HPS)1	295	5.90	30,147	0.90	0.00	0
Exterior	Outside light	SP250W(HPS)1	14	295	4.13	5109.72		21,103	SP250W(HPS)1	295	4.13	21,103	0.90	0.00	0
Exterior	Employee Parking Lot	Q400Po(HPS)2	24	930	22.32	5109.72		114,049	Q400Po(HPS)2	930	22.32	114,049	0.90	0.00	0
Exterior	Employee Parking Lot	Q400Po(HPS)1	4	465	1.86	5109.72		9,504	Q400Po(HPS)1	465	1.86	9,504	0.90	0.00	0
Exterior	Visitors' Parking Lot	Q400Po(HPS)2	28	930	26.04	5109.72		133,057	Q400Po(HPS)2	930	26.04	133,057	0.90	0.00	0
Exterior	Visitors' Parking Lot	Q400Po(HPS)1	4	465	1.86	5109.72		9,504	Q400Po(HPS)1	465	1.86	9,504	0.90	0.00	0
Total kWh: 2,134,311.13									Total kW: 410.02				571.44	55.13	277,890
Total kWh: 2,134,311.13									Total kW: 410.02				571.44	55.13	277,890

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Project: **Arapahoe County** Job No. **DWCES30219**

Building: **(37) Administrative II**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
300	3rd Floor Mech. Rm	S34WF2	4	78	0.31	250		78	S32WF(L0)2	52	0.21	52	0.17	0.02	23
301	Elect. Rm.	S34PF2	1	78	0.08	250		20	S32PF(L0)2	52	0.05	13	0.17	0.00	6
302	N. Stairway	14B34CF2	2	78	0.16	4250		663	14B32CF(L0)2	52	0.10	442	0.90	0.05	199
303	(Locked) Closet	Locked							0		0.00		0.00	0.00	
304	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L0)2	52	0.10	237	0.90	0.12	472
304	Office	22T34RF(U)2	1	78	0.08	3250		254	22T17RF(R)2	32	0.03	104	0.90	0.04	135
305	File Rm.	22T34RF(U)2	1	78	0.08	500		39	22T17RF(R)2	32	0.03	16	0.33	0.01	21
305	File Rm.	24T34RF3	2	117	0.23	500		117	24T32RF(L0)2	52	0.10	36	0.33	0.04	73
H306	Corridor	22T34RF(U)2	6	78	0.47	4250		1,989	22T17RF(R)2	32	0.19	816	0.90	0.25	1,056
H306	Corridor	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
307	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L0)2	52	0.16	355	0.90	0.18	707
308	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L0)2	52	0.16	355	0.90	0.18	707
309	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L0)2	52	0.10	237	0.90	0.12	472
310	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L0)2	52	0.10	237	0.90	0.12	472
311	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L0)2	52	0.16	355	0.90	0.18	707
312	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L0)2	52	0.16	355	0.90	0.18	707
313	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L0)2	52	0.16	355	0.90	0.18	707
314	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L0)2	52	0.16	355	0.90	0.18	707
315	Office	24T34RF3	3	117	0.27	3250	2	887	24T32RF(L0)2	52	0.16	355	0.90	0.11	479
316	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L0)2	52	0.16	355	0.90	0.18	707
316	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L0)2	52	0.16	355	0.90	0.18	707
337	Copy Rm.	22T34RF(U)2	2	78	0.16	3250		507	22T17RF(R)2	32	0.08	208	0.90	0.08	269
337	Copy Rm.	24T34RF3	1	117	0.12	3250		380	24T32RF(L0)2	52	0.05	118	0.90	0.06	236
H317	Corridor	22T34RF(U)2	13	78	0.94	4250	2	3,978	22T17RF(R)2	32	0.42	1,768	0.90	0.47	1,989
H317	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
318	Open Office	24T34RF3	5	117	0.59	3250		1,901	24T32RF(L0)2	52	0.26	592	0.90	0.29	1,179
H320	Corridor	24T34RF3	2	117	0.23	4250		995	24T32RF(L0)2	52	0.10	309	0.90	0.12	617
319	File Rm.	14T34RF2	17	78	1.33	500		663	14T32RF(L0)2	52	0.88	442	0.33	0.13	199
319	File Rm.	24T34RF3	2	117	0.23	500		117	24T32RF(R/T)2	58	0.12	41	0.33	0.04	69
321	Storage	24T34RF3	1	117	0.12	500		59	24T32RF(L0)2	52	0.05	18	0.33	0.02	36
322	Conference Rm.	24T34RF3	6	117	0.59	250	3	146	24T32RF(L0)2	52	0.31	55	0.17	0.04	83
306A	Office	24T34RF3	2	117	0.20	3250	1	634	24T32RF(L0)2	52	0.10	237	0.90	0.08	357

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (37) Administrative II
Job No. DWCES30219

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
323	Open Office	24T34RF3	7	117	0.82	3250		2,662	24T32RF(Lo)2	52	0.36	828	0.90	0.41	1,650
323	Open Office	14T34RF2	9	78	0.70	3250		2,282	14T32RF(Lo)2	52	0.47	1,521	0.90	0.21	685
H324	Corridor	22T34RF(U)2	15	78	1.17	4250		4,973	22T17RF(R)2	32	0.48	2,040	0.90	0.62	2,639
H324	Corridor	X(rgb)6C14	2	24	0.05	8759.52		420	X(rgb)2C(LED)1	2	0.00	35	0.90	0.04	347
325	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
325	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
326	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
326	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
327	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
327	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
328	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
328	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
329	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
329	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
330	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
330	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
331	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
331	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
332	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
333	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
334	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
335	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
H336	Corridor	22T34RF(U)2	7	78	0.55	4250		2,321	22T17RF(R)2	32	0.22	952	0.90	0.29	1,232
H336	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(rgb)2C(LED)1	2	0.00	18	0.90	0.00	0
H336	Corridor	X(rgb)6C14	1	24	0.02	8759.52		210	X(rgb)2C(LED)1	2	0.00	18	0.90	0.02	173
H338	Corridor	22T34RF(U)2	4	78	0.31	4250		1,326	22T17RF(R)2	32	0.13	544	0.90	0.17	704
H338	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(rgb)2C(LED)1	2	0.00	18	0.90	0.00	0
H338	Corridor	X(rgb)6C14	1	24	0.02	8759.52		210	X(rgb)2C(LED)1	2	0.00	18	0.90	0.02	173
339	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(Lo)2	52	0.16	365	0.90	0.18	707
340	Conference Rm.	24T34RF3	2	117	0.23	250		59	24T32RF(R/T)2	58	0.12	20	0.17	0.02	34
341	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
342	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472

Project: Arapahoe County

Job No.

DWCES30219

Building: (37) Administrative II

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
343	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
344	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
345	Open Office	24T34RF3	4	117	0.47	3250		1,521	24T32RF(Lo)2	52	0.21	473	0.90	0.23	943
345	Open Office	22T34RF(U)2	5	78	0.39	3250		1,268	22T17RF(R)2	32	0.16	520	0.90	0.21	673
345	Open Office	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
346	Men's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
346	Men's Restroom	S34CF2	1	78	0.08	3250		254	S32CF(Lo)2	52	0.05	169	0.90	0.02	76
346	Men's Restroom	14T34RF2	3	78	0.23	3250		761	14T32RF(Lo)2	52	0.16	507	0.90	0.07	228
346	Men's Restroom	S34CF2	4	78	0.31	3250		1,014	S32CF(Lo)2	52	0.21	676	0.90	0.09	304
346	Men's Restroom	C60R11	4	60	0.18	3250	1	585	C16R(CF)1	15	0.06	195	0.90	0.11	351
347	Exercise Rm.	24T34RF3	5	117	0.51	3250	2	1,648	24T32RF(Lo)2	52	0.26	592	0.90	0.22	951
348	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
348	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
349	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
350	Office	22T34RF(U)2	2	78	0.16	3250		507	22T17RF(R)2	32	0.06	208	0.90	0.08	269
350	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
351	Reception Area	C13R(CF)2	14	30	0.42	3250		1,365	C13R(CF)2	30	0.42	1,365	0.90	0.00	0
351	Reception Area	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
351	Reception Area	22T34RF(U)2	2	78	0.16	3250		507	22T17RF(R)2	32	0.06	208	0.90	0.08	269
352	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
353	Elevator Lobby	C150R(MH)1	3	150	0.45	4250		1,913	C18R(CF)2	42	0.13	536	0.90	0.29	1,239
353	Elevator Lobby	C13R(CF)2	7	30	0.21	4250		893	C13R(CF)2	30	0.21	893	0.90	0.00	0
353	Elevator Lobby	X(r)b)20C12				8759.52			X(g)2C(LED)1		0.00	0	0.90	0.00	
354	Men's Restroom	C150R(MH)1	1	150	0.15	3250		488	C18R(CF)2	42	0.04	137	0.90	0.10	316
354	Men's Restroom	14T34RF2	1	78	0.08	3250		254	14T32RF(Lo)2	52	0.05	169	0.90	0.02	76
354	Men's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
354	Men's Restroom	S34CF2	1	78	0.08	3250		254	S32CF(Lo)2	52	0.05	169	0.90	0.02	76
355	Jan. Closet	S34WF2	1	78	0.08	500		39	S32WF(Lo)2	52	0.05	26	0.33	0.01	12
357	Women's Restroom	C150R(MH)1	1	150	0.15	3250		488	C18R(CF)2	42	0.04	137	0.90	0.10	316
357	Women's Restroom	14T34RF2	1	78	0.08	3250		254	14T32RF(Lo)2	52	0.05	169	0.90	0.02	76
357	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
357	Women's Restroom	S34CF2	1	78	0.08	3250		254	S32CF(Lo)2	52	0.05	169	0.90	0.02	76

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
356	Elect. Rm.	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	0.00	6
358	Cntr. Stair Tower	14B34WF(em)2	2	78	0.16	4250		663	14B32WF(em)2	58	0.12	493	0.90	0.04	153
H359	Corridor	22T34RF(U)2	6	78	0.47	4250		1,989	22T17RF(R)2	32	0.19	816	0.90	0.25	1,056
H359	Corridor	C13R(CF)2	9	30	0.27	4250		1,148	C13R(CF)2	30	0.27	1,148	0.90	0.00	0
H359	Corridor	X(r)b6C4	1	24	0.02	8759.52		210	X(g)b2C(LED)1	2	0.00	18	0.90	0.02	173
360	Storage (locked)	24T34RF3	3	117	0.35	500		176	24T32RF(Lo)2	52	0.16	55	0.33	0.06	109
361	Office	24T34RF3	5	117	0.59	3250		1,901	24T32RF(Lo)2	52	0.26	592	0.90	0.29	1,179
361	Office	22T34RF(U)2	1	78	0.08	3250		254	22T17RF(R)2	32	0.03	104	0.90	0.04	135
362	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
362	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
363	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
363	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
364	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
365	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
366	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
367	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
368	Enry-Lobby	24T34RF3	2	117	0.16	4250	2	663	24T32RF(R)2	58	0.12	345	0.90	0.04	286
368	Enry-Lobby	24T34RF3	6	117	0.70	4250		2,984	24T32RF(Lo)2	52	0.31	928	0.90	0.35	1,850
368	Enry-Lobby	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
H369	Corridor	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
H369	Corridor	24T34RF3	6	117	0.70	4250		2,984	24T32RF(Lo)2	52	0.31	928	0.90	0.35	1,850
H370	Corridor	22T34RF(U)2	8	78	0.82	4250		2,652	22T17RF(R)2	32	0.26	1,088	0.90	0.33	1,408
360	Office Storage	24T34RF3	1	117	0.12	500		59	24T32RF(Lo)2	52	0.05	18	0.33	0.02	36
361	Office Storage	24T34RF3	3	117	0.20	500	4	98	24T32RF(Lo)2	52	0.16	55	0.33	0.01	39
362	Office Storage	24T34RF3	2	117	0.23	500		117	24T32RF(R)2	58	0.12	41	0.33	0.04	69
362	Office Storage	24T34RF3	1	117	0.12	500		59	24T32RF(Lo)2	52	0.05	18	0.33	0.02	36
363	Office Storage	24T34RF3	3	117	0.35	500		176	24T32RF(Lo)2	52	0.16	55	0.33	0.06	109
364	Office Storage	24T34RF3	3	117	0.27	500	2	137	24T32RF(Lo)2	52	0.16	55	0.33	0.04	74
365	Office Storage	24T34RF3	3	117	0.35	500		176	24T32RF(Lo)2	52	0.16	55	0.33	0.06	109
366	Office Storage	24T34RF3	4	117	0.47	500		234	24T32RF(Lo)2	52	0.21	73	0.33	0.08	145
366A	Restroom	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
367	Storage	24T34RF3	4	117	0.31	500	4	156	24T32RF(Lo)2	52	0.21	73	0.33	0.03	75

Project: Arapahoe County
Building: (37) Administrative II

Job No. DWCES30219

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
368	West Stairway	14B34WF(em)2	2	78	0.16	4250		663	14B32WF(em)R)2	58	0.12	493	0.90	0.04	153
369	Corridor	24T34RF3	3	117	0.35	4250		1,492	24T32RF(Lo)2	52	0.16	464	0.90	0.18	925
369	Corridor	22T34RF(U)2	3	78	0.23	4250		995	22T17RF(R)2	32	0.10	408	0.90	0.12	528
369	Corridor	X(r)6C14	2	24	0.05	8759.52		420	X(g)b)2C(LED)1	2	0.00	35	0.90	0.04	347
369	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
370	Elect. Rm.	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	0.02	6
371	Mach. Rm.	S34WF2	4	78	0.31	250		78	S32WF(Lo)2	52	0.21	52	0.17	0.05	23
372	Conference Rm.	24T34RF3	5	117	0.59	250		146	24T32RF(Lo)2	52	0.26	46	0.17	0.05	91
373	File Rm.	24T34RF3	2	117	0.23	500		117	24T32RF(R)2	58	0.12	41	0.33	0.04	69
373	File Rm.	24T34RF3	1	117	0.12	500		59	24T32RF(Lo)2	52	0.05	18	0.33	0.02	36
373	File Rm.	22T34RF(U)2	1	78	0.08	500		39	22T17RF(R)2	32	0.03	16	0.33	0.01	21
374	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
375	Office	24T34RF3	2	117	0.20	3250	1	634	24T32RF(Lo)2	52	0.10	237	0.90	0.08	357
376	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
377	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
378	Server Rm.	24T34RF3	2	117	0.23	500		117	24T32RF(Lo)2	52	0.10	36	0.33	0.04	73
378	Server Rm.	22T34RF(U)2	1	78	0.08	500		39	22T17RF(R)2	32	0.03	16	0.33	0.01	21
379	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
H380	Corridor	22T34RF(U)2	5	78	0.39	4250		1,658	22T17RF(R)2	32	0.16	680	0.90	0.21	880
H380	Corridor	X(r)6C14	1	24	0.02	8759.52		210	X(g)b)2C(LED)1	2	0.00	18	0.90	0.02	173
381	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
382	Office	24B34CF3	2	117	0.23	3250		761	24B32CF(R)2	58	0.12	377	0.90	0.11	345
383	Office	24B34CF3	2	117	0.23	3250		761	24B32CF(R)2	58	0.12	377	0.90	0.11	345
384	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
384	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
385	Office	24T34RF3	2	117	0.20	3250	1	634	24T32RF(R)2	58	0.12	264	0.90	0.07	333
386	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
387	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
388	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
389	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
390	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447
391	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	264	0.90	0.11	447

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
392	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
393	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
393	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	236
394	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
395	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
396	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	236
396	Office	22T34RF(U)2	1	78	0.08	3250		254	22T17RF(R)2	32	0.03	104	0.90	135
397	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	236
397	Office	22T34RF(U)2	1	78	0.08	3250		254	22T17RF(R)2	32	0.03	104	0.90	135
398	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
H399	Corridor	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
H399	Corridor	24T34RF3	6	117	0.70	4250		2,984	24T32RF(Lo)2	52	0.31	928	0.90	1,950
H399	Corridor	22T34RF(U)2	16	78	1.25	4250		5,304	22T17RF(R)2	32	0.51	2,176	0.90	2,815
H399	Corridor	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0
H399	Corridor	X(r)b6C14	1	24	0.02	8759.52		210	X(g)b)2C(LED)1	2	0.00	18	0.90	173
399A	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
399.1	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(R/T)2	58	0.12	264	0.90	219
399.1	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	236
399.2	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
399.3	Open Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
399.3	Open Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	236
399.3	Open Office	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0
399.4	Break Rm.	22T34RF(U)2	9	78	0.70	3250		2,282	22T17RF(R)2	32	0.29	936	0.90	1,211
399.5	Closet	22T34RF(U)2	1	78	0.08	250		20	22T17RF(R)2	32	0.03	8	0.17	10
H399.6	Corridor	22T34RF(U)2	7	78	0.55	4250		2,321	22T17RF(R)2	32	0.22	952	0.90	1,232
H399.6	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0
345.1	Conference Rm.	24T34RF3	7	117	0.82	250		205	24T32RF(Lo)2	52	0.36	64	0.17	127
345.1	Conference Rm.	24T34RF(em)3	1	117	0.12	250		29	24T32RF(R/em)2	58	0.06	15	0.17	13
399.7	Women's Restroom	14T34RF2	3	78	0.23	3250		761	14T32RF(Lo)2	52	0.16	507	0.90	228
399.7	Women's Restroom	C60C11	4	60	0.24	3250		780	C15C(CF)1	15	0.06	195	0.90	527
399.7	Women's Restroom	S34CF2	4	78	0.31	3250		1,014	S32CF(Lo)T)2	52	0.21	676	0.90	304
399.7	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	152

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									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
M200	Mech. Rm. #1	S34WF2	4	78	0.31	250		78	S32WF(Lo)2	52	0.21	52	0.17	0.02	23
M200.1	Elect. Rm.	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	0.00	6
M200.2	Corridor	24T34RF3	2	117	0.20	4250	1	829	24T32RF(Lo)2	52	0.10	309	0.90	0.08	467
M200.3	2nd Floor N. Stair Tower	14B34PF(em)2	2	78	0.16	4250		663	14B32PF(em)2	52	0.10	442	0.90	0.05	199
225	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
226	Office Storage	24T34RF3	2	117	0.23	500		117	24T32RF(Lo)2	52	0.10	36	0.33	0.04	73
227	Office Storage	24T34RF3	2	117	0.23	500		117	24T32RF(Lo)2	52	0.10	36	0.33	0.04	73
228	Office Storage	24T34RF3	2	117	0.23	500		117	24T32RF(Lo)2	52	0.10	36	0.33	0.04	73
228.1	Closet (locked)	Locked				500			0		0.00	0	0.33	0.00	
228.2	Closet (locked)	Locked				500			0		0.00	0	0.33	0.00	
H228.3	Corridor	24T34RF3	4	117	0.47	4250		1,989	24T32RF(Lo)2	52	0.21	619	0.90	0.23	1,233
H228.3	Corridor	Xi(r)b8C14	2	24	0.05	8759.52		420	Xi(g)b2C(LED)1	2	0.00	35	0.90	0.04	347
H264.1	Corridor	24T34RF3	4	117	0.47	4250		1,989	24T32RF(Lo)2	52	0.21	619	0.90	0.23	1,233
H264.1	Corridor	Xi(r)b8C14	1	24	0.02	8759.52		210	Xi(g)b2C(LED)1	2	0.00	18	0.90	0.02	173
264	File Rm.	24T34RF3	4	117	0.47	500		234	24T32RF(Lo)2	52	0.21	73	0.33	0.08	145
266	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
267	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
268	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
269	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
269	Office	22T34RF(U)2	2	78	0.16	3250		507	22T17RF(R)2	32	0.06	208	0.90	0.08	269
H269.1	Corridor	24T34RF3	1	117	0.12	4250		497	24T32RF(Lo)2	52	0.05	155	0.90	0.06	308
272	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(RT)2	58	0.12	264	0.90	-0.03	-9
273	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
274	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
275	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
H275.1	Corridor	24T34RF3	1	117	0.04	4250	2	166	24T32RF(Lo)2	52	0.05	155	0.90	-0.01	10
277	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
278	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
279	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
280	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
H280.1	Corridor	24T34RF3	1	117	0.12	4250		497	24T32RF(Lo)2	52	0.05	155	0.90	0.06	308
286	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243

hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(37) Administrative II**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
257	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
258	Print Rm.	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.05	236
259	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
260	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
H260.1	Corridor	24T34RF3	4	117	0.47	4250		1,989	24T32RF(Lo)2	52	0.21	619	0.90	0.23	1,233
H260.1	Corridor	X(rfb)6C14	2	24	0.05	8759.52		420	X(gb)2C(LED)1	2	0.00	35	0.90	0.04	347
260	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
251	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
252	Office	24T34RF3	2	117	0.20	3250	1	634	24T32RF(Lo)2	52	0.10	237	0.90	0.08	357
253	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
245	Office	24T34RF3	2	117	0.20	3250	1	634	24T32RF(Lo)2	52	0.10	237	0.90	0.08	357
247	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
248	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
249	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
H249.1	Corridor	24T34RF3	4	117	0.47	4250		1,989	24T32RF(Lo)2	52	0.21	619	0.90	0.23	1,233
H249.1	Corridor	X(rfb)6C14	2	24	0.05	8759.52		420	X(gb)2C(LED)1	2	0.00	35	0.90	0.04	347
224	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(Lo)2	52	0.16	355	0.90	0.18	707
223	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
222	Office	24T34RF3	2	117	0.16	3250	2	507	24T32RF(Lo)2	52	0.10	237	0.90	0.05	243
221	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
220	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
219	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
218	Office	24T34RF3	2	117	0.12	3250	3	380	24T32RF(Lo)2	52	0.10	237	0.90	0.01	129
217	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
216	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
H216.1	Corridor	24T34RF3	13	117	1.52	4250		6,464	24T32RF(Lo)2	52	0.68	2,011	0.90	0.76	4,008
H216.1	Corridor	X(rfb)6C14	2	24	0.05	8759.52		420	X(gb)2C(LED)1	2	0.00	35	0.90	0.04	347
232	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
230	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
213	Recep. Office	24T34RF3	5	117	0.59	3250		1,901	24T32RF(Lo)2	52	0.26	592	0.90	0.29	1,179
213	Recep. Office	C26R(CF)2	4	52	0.13	3250	3	423	C26R(CF)2	52	0.21	676	0.90	-0.07	-228
231A	Conference Rm.	24T34RF3	2	117	0.23	250		59	24T32RF(RT)2	58	0.12	20	0.17	0.02	34

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (37) Administrative II

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
231A	Conference Rm.	24T34RF3	5	117	0.59	250		146	24T32RF(Lo)2	52	0.26	45	0.17	0.05	91
237	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
239	U.A. Lab	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
238	Restroom	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
240	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
241	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
235	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
H235.1	Corridor	24T34RF3	12	117	1.40	4250		5,967	24T32RF(Lo)2	52	0.62	1,856	0.90	0.70	3,700
H235.1	Corridor	X(r/b)6C14	2	24	0.05	8759.52		420	X(g/b)2C(LED)1	2	0.00	35	0.90	0.04	347
281	Office	24T34RF3	2	117	0.12	3250	3	380	24T32RF(Lo)2	52	0.10	237	0.90	0.01	129
205	Break Rm.	24T34RF3	4	117	0.47	3250		1,521	24T32RF(Lo)2	52	0.21	473	0.90	0.23	943
H205.1	Corridor	24T34RF3	3	117	0.35	4250		1,492	24T32RF(Lo)2	52	0.16	464	0.90	0.18	925
287	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
288	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
282	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
290	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
293	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
295	Storage	24T34RF3	1	117	0.12	500		59	24T32RF(Lo)2	52	0.05	18	0.33	0.02	36
294	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
289	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
H289.1	Corridor	24T34RF3	5	117	0.59	4250		2,486	24T32RF(Lo)2	52	0.25	774	0.90	0.29	1,542
H289.1	Corridor	X(r/b)6C14	2	24	0.05	8759.52		420	X(g/b)2C(LED)1	2	0.00	35	0.90	0.04	347
H289.1	Men's Restroom	14T32RF2	3	58	0.17	3250		566	14T32RF2	58	0.17	566	0.90	0.00	0
H289.1	Men's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
H296.1	Hallway	24T34RF3	4	117	0.47	4250		1,989	24T32RF(Lo)2	52	0.21	619	0.90	0.23	1,233
H296.1	Hallway	X(r/b)6C14	1	24	0.02	8759.52		210	X(g/b)2C(LED)1	2	0.00	18	0.90	0.02	173
H296.1	Hallway	C26R(CF)2	1	52	0.05	4250		221	C26R(CF)2	52	0.05	221	0.90	0.00	0
H296.2	Women's Restroom	14T34RF2	3	78	0.23	3250		761	14T32RF(Lo)2	52	0.16	507	0.90	0.07	228
H296.2	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
H296.3	Elevator	C150R(MH)1	3	150	0.45	4250		1,913	C18R(CF)2	42	0.13	536	0.90	0.29	1,239
H296.3	Elevator	X(r/b)6C14	1	24	0.02	8759.52		210	X(g/b)2C(LED)1	2	0.00	18	0.90	0.02	173
296.4	Janitor	S34WF2	1	78	0.08	500		39	S32WF(Lo)2	52	0.05	26	0.33	0.01	12

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
296.5	Men's Restroom	C150R(MH)1	1	150	0.15	3250		488	C18R(CF)2	42	0.04	137	0.90	0.10	316
296.5	Men's Restroom	14T34RF2	1	78	0.08	3250		254	14T32RF(Lo)2	52	0.05	169	0.90	0.02	76
296.5	Men's Restroom	S34WF3	3	117	0.35	3250		1,141	S32WF(Lo)3	78	0.23	761	0.90	0.11	342
296.6	Women's Restroom	S34WF2	2	78	0.16	3250		507	S32WF(LoT)2	52	0.10	338	0.90	0.05	152
296.6	Women's Restroom	S34WF2	1	78	0.08	3250		254	S32WF(Lo)2	52	0.05	169	0.90	0.02	76
296.6	Women's Restroom	14T34RF2	1	78	0.08	3250		254	14T32RF(Lo)2	52	0.05	169	0.90	0.02	76
296.6	Women's Restroom	C150R(MH)1	1	150	0.15	3250		488	C18R(CF)2	42	0.04	137	0.90	0.10	316
296.6	Janitor RR	S34PF2	1	78	0.08	3250		254	S32PF(Lo)2	52	0.05	169	0.90	0.02	76
296.7	Hallway	C28R(CF)2	4	52	0.21	4250		884	C28R(CF)2	52	0.21	884	0.90	0.00	0
296.8	Storage	24T34RF3	1	117	0.12	500		59	24T32RF(Lo)2	52	0.05	18	0.33	0.02	36
296.9	Hallway	C28R(CF)2	5	52	0.26	4250		1,105	C28R(CF)2	52	0.26	1,105	0.90	0.00	0
296.9	Hallway	X(r)b6C14	1	24	0.02	8759.52		210	X(g)b2C(LED)1	2	0.00	18	0.90	0.02	173
296.9	Center Stair	14T34WF(em)2	2	78	0.16	4250		663	14T32WF(Lo/em)2	52	0.10	442	0.90	0.05	199
201	Probation Lobby	24T34RF3				4250			24T32RF(R)2		0.00	0	0.90	0.00	
201.1	B2 - Conference	24T34RF3	4	117	0.31	250	4	78	24T32RF(R)2	58	0.23	58	0.17	0.01	18
201.1	B2 - Conference	X(r)b6C14	2	24	0.05	8759.52		420	X(g)b2C(LED)1	2	0.00	35	0.90	0.04	347
200	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(R)2	58	0.17	566	0.90	0.16	518
201	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	377	0.90	0.11	345
202	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	377	0.90	0.11	345
203	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(R)2	58	0.17	566	0.90	0.16	518
204	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	377	0.90	0.11	345
205	Open Office	24T34RF3	5	117	0.59	3250		1,901	24T32RF(R)2	58	0.29	943	0.90	0.27	863
205.1	Open Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	377	0.90	0.11	345
206	Office	24T34RF3	4	117	0.47	3250		1,521	24T32RF(R/T)2	58	0.23	754	0.90	0.21	690
207	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(R)2	58	0.17	566	0.90	0.16	518
208	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	377	0.90	0.11	345
208	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(R)2	58	0.06	189	0.90	0.05	173
209	File Rm.	24T34RF3	2	117	0.23	500		117	24T32RF(R/T)2	58	0.12	58	0.33	0.04	53
209	File Rm.	24T34RF3	5	117	0.59	500		293	24T32RF(R)2	58	0.29	145	0.33	0.09	133
209.1	Hallway	24T34RF3	11	117	1.29	4250		5,470	24T32RF(R)2	58	0.64	2,712	0.90	0.58	2,482
210	Conference	24T34RF3	3	117	0.35	250		88	24T32RF(R)2	58	0.17	44	0.17	0.03	40
211	Server	24T34RF3	2	117	0.23	500		117	24T32RF(R)2	58	0.12	58	0.33	0.04	53

Project: Arapahoe County

Job No.

DWCES30219

Building: (37) Administrative II

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
212	Conference	24T34RF3	6	117	0.70	250		176	24T32RF(R)2	58	0.35	87	0.17	0.05	80
212.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	377	0.90	0.11	345
212.2	Office	24T34RF3	4	117	0.47	3250		1,521	24T32RF(R)2	58	0.23	754	0.90	0.21	690
212.3	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	377	0.90	0.11	345
212.4	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	377	0.90	0.11	345
212.5	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	377	0.90	0.11	345
212.6	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R)2	58	0.12	377	0.90	0.11	345
212.6	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(R)2	58	0.06	189	0.90	0.05	173
212.7	S.W. Stair Tower	14834PF(em)2	2	78	0.16	4250		663	14832PF(em)2	52	0.10	442	0.90	0.05	199
H212.8	Corridor	24T34RF3	2	117	0.23	4250		995	24T32RF(L)2	52	0.10	309	0.90	0.12	617
212.8	Corridor	Xi(r)b8C4	1	24	0.02	8759.52		210	Xi(g)b2C(LED)1	2	0.00	18	0.90	0.02	173
212.9	Elect. Rm.	S34PF2	1	78	0.08	250		20	S32PF(L)2	52	0.05	13	0.17	0.00	6
213.1	Mech. Rm.	S34WF2	4	78	0.31	250		78	S32WF(L)2	52	0.21	52	0.17	0.02	23
213.2	Office	24B34CF3	3	117	0.35	3250		1,141	24B32CF(R)2	58	0.17	566	0.90	0.16	518
H213.3	Corridor	24T34RF3	1	117	0.12	4250		497	24T32RF(L)2	52	0.05	155	0.90	0.06	308
213.4	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L)2	52	0.10	237	0.90	0.12	472
213.5	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L)2	52	0.10	237	0.90	0.12	472
213.6	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L)2	52	0.10	237	0.90	0.12	472
213.7	Office (locked)												0.00		
213.8	Office -Conference Rm.	24T34RF3	3	117	0.35	3250		1,141	24T32RF(L)2	52	0.16	355	0.90	0.18	707
H213.9	Corridor	24T34RF3	5	117	0.59	4250		2,486	24T32RF(L)2	52	0.26	774	0.90	0.29	1,542
H213.9	Corridor	Xi(r)b8C4	2	24	0.05	8759.52		420	Xi(g)b2C(LED)1	2	0.00	35	0.90	0.04	347
H214.1	Corridor	24T34RF3	2	117	0.23	4250		995	24T32RF(L)2	52	0.10	309	0.90	0.12	617
214.2	Conference Rm.	24T34RF3	2	117	0.23	250		59	24T32RF(L)2	52	0.10	18	0.17	0.02	36
214.3	Radio Equip.	24T34RF3	2	117	0.23	500		117	24T32RF(L)2	52	0.10	36	0.33	0.04	73
214.4	Office	24T34RF3	4	117	0.47	3250		1,521	24T32RF(L)2	52	0.21	473	0.90	0.23	943
214.5	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L)2	52	0.10	237	0.90	0.12	472
214.6	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L)2	52	0.10	237	0.90	0.12	472
214.7	Office	24T34RF3	2	117	0.12	3250	3	380	24T32RF(L)2	52	0.10	237	0.90	0.01	129
214.8	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L)2	52	0.10	237	0.90	0.12	472
214.9	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L)2	52	0.10	237	0.90	0.12	472
215.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(L)2	52	0.10	237	0.90	0.12	472

hrs. The demand savings are not fully claimed.

Project: Arapahoe County
Building: (37) Administrative II
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Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
215.2	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
215.3	Office	24T34RF3	2	117	0.12	3250	3	380	24T32RF(Lo)2	52	0.10	237	0.90	129
215.4	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
215.5	Office	24T34RF3	4	117	0.47	3250		1,521	24T32RF(Lo)2	52	0.21	473	0.90	943
215.6	File Rm.	24T34RF3	4	117	0.47	500		234	24T32RF(Lo)2	52	0.21	73	0.33	145
215.7	Open Office	24T34RF3	5	117	0.59	3250		1,901	24T32RF(Lo)2	52	0.26	592	0.90	1,179
215.7	Open Office	C26R(CF)2	3	52	0.13	3250	1	423	C26R(CF)2	52	0.16	507	0.90	-76
215.8	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
215.9	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
216.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	472
H216.2	Corridor	24T34RF3	8	117	0.94	4250		3,978	24T32RF(Lo)2	52	0.42	1,238	0.90	2,466
H216.2	Corridor	X(r)b)6Ci4	4	24	0.10	8759.52		841	X(g)b)2C(LED)1	2	0.01	70	0.90	694
216.3	Conference Rm.	24T34RF3	6	117	0.70	250		176	24T32RF(Lo)2	52	0.31	55	0.17	109
H216.9	Corridor	24T34RF3	2	117	0.23	4250		995	24T32RF(Lo)2	52	0.10	309	0.90	617
H216.9	Corridor	X(r)b)6Ci4	1	24	0.02	8759.52		210	X(g)b)2C(LED)1	2	0.00	18	0.90	173
100	Mech. Rm.	S34WF2	4	78	0.31	250		78	S32WF(Lo)2	52	0.21	52	0.17	23
101	Elect. Rm.	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	6
102	File Rm.	24T34RF3	2	117	0.23	500		117	24T32RF(R/T)2	58	0.12	41	0.33	69
102	File Rm.	24T34RF3	10	117	1.17	500		585	24T32RF(Lo)2	52	0.52	260	0.33	293
102	File Rm.	22T34RF(U)2	2	78	0.16	500		78	22T17RF(R)2	32	0.06	32	0.33	41
103	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
104	Open Office	24T34RF3	4	117	0.47	3250		1,521	24T32RF(R/T)2	58	0.23	528	0.90	894
104	Open Office	24T34RF3	36	117	4.21	3250		13,689	24T32RF(Lo)2	52	1.87	4,259	0.90	8,487
104	Open Office	22T34RF(U)2	12	78	0.94	3250		3,042	22T17RF(R)2	32	0.36	1,248	0.90	1,615
104	Open Office	X(P)2C(LED)1	6	2	0.01	8759.52		105	X(g)2C(LED)1	2	0.01	105	0.90	0
105	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
106	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
107	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	236
108	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
109	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447
109	Office	24T34RF3	1	117	0.04	3250	2	127	24T32RF(Lo)2	52	0.05	118	0.90	8
110	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	447

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (37) Administrative II

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
110	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.05	236
111	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
111	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
112	Office	22T34RF(U)2	2	78	0.16	3250		507	22T17RF(R)2	32	0.06	208	0.90	0.08	269
113	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo/T)2	52	0.10	338	0.90	0.05	152
113	Women's Restroom	22T34RF(U)2	1	78	0.08	3250		254	22T17RF(R)2	32	0.03	104	0.90	0.04	135
114	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo/T)2	52	0.10	338	0.90	0.05	152
114	Women's Restroom	22T34RF(U)2	1	78	0.08	3250		254	22T17RF(R)2	32	0.03	104	0.90	0.04	135
115	Open Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
115	Open Office	24T34RF3	36	117	4.21	3250		13,689	24T32RF(Lo)2	52	1.87	4,259	0.90	2.11	8,487
115	Open Office	24T34RF(em)3				3250			24T32RF(R/em)2		0.00	0	0.90	0.00	
115	Open Office	22T34RF(U)2	2	78	0.16	3250		507	22T17RF(R)2	32	0.06	208	0.90	0.08	269
116	Men's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
117	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
118	Conference Rm.	24T34RF3	4	117	0.47	250		117	24T32RF(Lo)2	52	0.21	36	0.17	0.04	73
119	Open Office	24T34RF3	8	117	0.94	3250		3,042	24T32RF(Lo)2	52	0.42	946	0.90	0.47	1,886
119	Open Office	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.30	0.00	0
120	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
121	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
122	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
123	W. Stair Tower	14B34PF2	1	78	0.08	4250		332	14B32PF(Lo)2	52	0.05	221	0.90	0.02	100
124	Kitchen	22T34RF(U)2	3	78	0.23	3250		761	22T17RF(R)2	32	0.10	312	0.90	0.12	404
124	Kitchen	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.30	0.00	0
125	Comp. Rm.	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
126	Comp. Rm.	24T34RF3	4	117	0.47	3250		1,521	24T32RF(Lo)2	52	0.21	473	0.90	0.23	943
127	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
127	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
128	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
128	Office	24T34RF3	1	117	0.12	3250		380	24T32RF(Lo)2	52	0.05	118	0.90	0.06	236
129	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
130	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
131	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
132	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
133	Open Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
133	Open Office	22T34RF(U)2	2	78	0.16	3250		507	22T17RF(R/T)2	32	0.06	208	0.90	0.08	269
133	Open Office	22T34RF(U)2	9	78	0.70	3250		2,282	22T17RF(R)2	32	0.29	936	0.90	0.37	1,211
133	Open Office	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
133	Open Office	X(r)6C14	1	24	0.02	8759.52		210	X(g)6)2C(LED)1	2	0.00	18	0.90	0.02	173
134	Men's Restroom	S34CF2	1	78	0.08	3250		254	S32CF(Lo)2	52	0.05	169	0.90	0.02	76
134	Men's Restroom	22T34RF(U)2	1	78	0.08	3250		254	22T17RF(R)2	32	0.03	104	0.90	0.04	135
135	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
135	Women's Restroom	22T34RF(U)2	1	78	0.08	3250		254	22T17RF(R)2	32	0.03	104	0.90	0.04	135
136	Storage	22T34RF(U)2	2	78	0.16	500		78	22T17RF(R)2	32	0.06	32	0.33	0.03	41
137	W. Entry Vest.	24T34RF3	1	117	0.12	4250		497	24T32RF(Lo)2	52	0.05	155	0.90	0.06	308
137	W. Entry Vest.	X(g)6)6C14	1	24	0.02	8759.52		210	X(g)6)2C(LED)1	2	0.00	18	0.90	0.02	173
138	Entry - Elev. Lobby	C150R(MH)1	13	150	1.95	4250		8,288	C18R(CF)2	42	0.55	2,321	0.90	1.26	5,370
138	Entry - Elev. Lobby	X(r)6C14	2	24	0.05	8759.52		420	X(g)6)2C(LED)1	2	0.00	35	0.90	0.04	347
139	Men's Restroom	C150R(MH)1	1	150	0.15	3250		488	C18R(CF)2	42	0.04	137	0.90	0.10	316
139	Men's Restroom	14T34RF2	1	78	0.08	3250		254	14T32RF(Lo)2	52	0.05	169	0.90	0.02	76
139	Men's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
139	Men's Restroom	S34CF2	1	78	0.08	3250		254	S32CF(Lo)2	52	0.05	169	0.90	0.02	76
139.1	Jan. Closet	S34WF2	1	78	0.08	500		39	S32WF(Lo)2	52	0.05	26	0.33	0.01	12
140	Women's Restroom	C150R(MH)1	1	150	0.15	3250		488	C18R(CF)2	42	0.04	137	0.90	0.10	316
140	Women's Restroom	14T34RF2	1	78	0.08	3250		254	14T32RF(Lo)2	52	0.05	169	0.90	0.02	76
140	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
140	Women's Restroom	S34CF2	1	78	0.08	3250		254	S32CF(Lo)2	52	0.05	169	0.90	0.02	76
140.1	Elect. Tele.	S34WF2	1	78	0.08	250		20	S32WF(Lo)2	52	0.05	13	0.17	0.00	6
141	Cntr. Stair Tower (1st Flr.)	14B34WF(em)2	2	78	0.16	4250		663	14B32WF(em)2	58	0.12	493	0.90	0.04	153
142	Lobby	24T34RF3	3	117	0.35	4250		1,492	24T32RF(Lo)2	52	0.16	464	0.90	0.18	925
142	Lobby	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
101.1	Lobby Waiting	24T34RF3	4	117	0.47	4250		1,989	24T32RF(Lo)2	52	0.21	619	0.90	0.23	1,233
101.2	Recep. Office	24T34RF3	2	117	0.23	3250		761	24T32RF(R/T)2	58	0.12	264	0.90	0.11	447
101.2	Recep. Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(Lo)2	52	0.16	355	0.90	0.18	707
102.1	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (37) Administrative II

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
103.1	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
104.1	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
107.1	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
108.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
109.1	Office	24T32RF3	3	87	0.26	3250		848	24T32RF(R)2	58	0.17	566	0.90	0.08	255
110.1	Office	24T34RF3	4	117	0.47	3250		1,521	24T32RF(Lo)2	52	0.21	473	0.90	0.23	943
111.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
112.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
113.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
116.1	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
117.1	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
118.1	Break Rm.	24T34RF3	6	117	0.70	3250		2,282	24T32RF(Lo)2	52	0.31	710	0.90	0.35	1,415
120.1	Video Intake	24T34RF3	5	117	0.59	3250		1,901	24T32RF(Lo)2	52	0.26	592	0.90	0.29	1,179
121.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
123.1	Clerical Spec.	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
122.1	Office	24T34RF3	2	117	0.23	3250		761	24T32RF(Lo)2	52	0.10	237	0.90	0.12	472
106.1	Lab Area Wk. Rm.	24T34RF3	5	117	0.59	3250		1,901	24T32RF(Lo)2	52	0.26	592	0.90	0.29	1,179
105.1	Lab Area Wk. Rm.	22T32RF(u)2	3	58	0.17	3250		566	22T17RF(R)2	32	0.10	312	0.90	0.07	228
H116.2	Corridor	24T34RF3	5	117	0.59	4250		2,486	24T32RF(Lo)2	52	0.26	774	0.90	0.29	1,542
H116.2	Corridor	22T32RF(u)2	4	58	0.23	4250		986	22T17RF(R)2	32	0.13	544	0.90	0.09	398
151	Training Rm.	24T34RF3	2	117	0.23	500		117	24T32RF(R/T)2	58	0.12	41	0.33	0.04	69
151	Training Rm.	24T34RF3	12	117	1.40	500		702	24T32RF(Lo)2	52	0.62	218	0.33	0.23	435
151	Training Rm.	X(R)2C(LED)1	2	2	0.00	8759.52		35	X(g)2C(LED)1	2	0.00	35	0.90	0.00	0
151.1	Mech. Rm.	S34WF2	4	78	0.31	250		78	S32WF(Lo)2	52	0.21	52	0.17	0.02	23
151.2	Elect. Rm.	S34WF2	1	78	0.08	250		20	S32WF(Lo)2	52	0.05	13	0.17	0.00	6
151.3	N. Stair Tower	14B34CF2	1	78	0.08	4250		332	14B32CF(Lo)2	52	0.05	221	0.90	0.02	100
152	File Storage	24T32RF3	5	87	0.38	500	2	189	24T32RF(R)2	58	0.29	145	0.33	0.03	39
152	File Storage	24T34RF3	2	117	0.23	500		117	24T32RF(Lo)2	52	0.10	36	0.33	0.04	73
153	File Storage	24T34RF3	6	117	0.70	500		351	24T32RF(Lo)2	52	0.31	109	0.33	0.12	218
154.1	Office	24T32RF3	1	87	0.09	3250		283	24T32RF(R)2	58	0.06	189	0.90	0.03	85
154.2	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
154.3	Open Office	24T32RF3	6	87	0.52	3250		1,697	24T32RF(R)2	58	0.35	1,131	0.90	0.16	509

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
154.3	Open Office	X(R)2C(LED)1	3	2	0.01	8759.52		53	X(g)2C(LED)1	2	0.01	53	0.90	0.00	0
154.4	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
154.5	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
155	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
155.1	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
155.2	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
155.3	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
155.4	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
155.5	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
155.6	Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
155.7	Open Office	24T32RF3	2	87	0.17	3250		566	24T32RF(R)2	58	0.12	377	0.90	0.05	170
H155.8	Corridor	24T32RF3	2	87	0.17	4250		740	24T32RF(R)2	58	0.12	493	0.90	0.05	222
156	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
156.1	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
156.2	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
156.3	Recep.	24T34RF3	3	117	0.35	3250		1,141	24T32RF(Lo)2	52	0.16	355	0.90	0.18	707
156.3	Recep.	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
156.4	Office	24T34RF3	3	117	0.35	3250		1,141	24T32RF(Lo)2	52	0.16	355	0.90	0.18	707
156.5	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
156.6	Office	24T34RF3	2	117	0.12	3250	3	380	24T32RF(Lo)2	52	0.10	237	0.90	0.01	129
156.7	Office	24T34RF3	2	117	0.08	3250	4	254	24T32RF(Lo)2	52	0.10	237	0.90	-0.02	15
H156.8	Corridor	22T32RF(u)2	3	58	0.17	4250		740	22T17RF(R)2	32	0.10	408	0.90	0.07	298
H156.8	Corridor	24T34RF3	1	117	0.12	4250		497	24T32RF(Lo)2	52	0.05	155	0.90	0.06	308
H156.8	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
156.9	Waiting Rm.	24T34RF3	2	117	0.20	3250	1	634	24T32RF(Lo)2	52	0.10	237	0.90	0.08	357
157	Jan. Closet	24T34RF3	4	117	0.47	500		234	24T32RF(Lo)2	52	0.21	73	0.33	0.08	145
158	Women's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
159	Men's Restroom	S34CF2	2	78	0.16	3250		507	S32CF(Lo)2	52	0.10	338	0.90	0.05	152
H160	Corridor	24T34RF3	11	117	1.29	4250		5,470	24T32RF(Lo)2	52	0.57	1,702	0.90	0.64	3,391
H160	Corridor	X(R)2C(LED)1	3	2	0.01	8759.52		53	X(g)2C(LED)1	2	0.01	53	0.90	0.00	0
H160	Corridor	24T34RF(em)3	1	117	0.12	4250		497	24T32RF(R/em)2	58	0.06	247	0.90	0.05	226
H160.1	Corridor	24T34RF3	3	117	0.35	4250		1,492	24T32RF(Lo)2	52	0.16	464	0.90	0.18	925

Project: Arapahoe County

Job No.

DWCES30219

Building: (37) Administrative II

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
H160.1	Corridor	X(R)2C(LED)1				8759.52			X(g)2C(LED)1		0.00	0	0.90	0.00	
H160.2	Corridor	24T34RF3	4	117	0.47	4250		1,989	24T34RF(Lo)2	52	0.21	619	0.90	0.23	1,233
H160.2	Corridor	24T34RF(em)3	2	117	0.23	4250		995	24T32RF(R/em)2	58	0.12	493	0.90	0.11	451
H160.2	Corridor	X(R)2C(LED)1	1	2	0.00	8759.52		18	X(g)2C(LED)1	2	0.00	18	0.90	0.00	0
B001	Elev. Lobby	S34PF2	2	78	0.16	4250		663	S32PF(Lo)2	52	0.10	442	0.90	0.05	199
B001	Elev. Lobby	X(r)6C14	1	24	0.02	8759.52		210	X(g)b2C(LED)1	2	0.00	18	0.90	0.02	173
B002	Storage	S34PF2	1	78	0.08	500		39	S32PF(Lo)2	52	0.05	26	0.33	0.01	12
B003	Crawl Space	O18C(CF)1	1	18	0.02	500		9	O18C(CF)1	18	0.02	9	0.33	0.00	0
B004	Elev. Equip. Rm.	S34PF2	1	78	0.08	250		20	S32PF(Lo)2	52	0.05	13	0.17	0.00	6
B005	Sprinkler Rm.	S34PF2	4	78	0.31	250		78	S32PF(Lo)2	52	0.21	52	0.17	0.02	23
B005	Sprinkler Rm.	8S34PF4	2	156	0.31	250		78	18S32CF(Lo)4	104	0.21	52	0.17	0.02	23
B006	Elect. Rm.	S34PF2	2	78	0.16	250		39	S32PF(Lo)2	52	0.10	26	0.17	0.01	12
B007	Storage	S34PF2	2	78	0.16	500		78	S32PF(Lo)2	52	0.10	52	0.33	0.02	23
B008	Evidence Rm.	S34PF2	2	78	0.16	500		78	S32PF(Lo)2	52	0.10	52	0.33	0.02	23
B009	Parking Garage	8S60PF2	13	121	1.57	5109.72		8,038	8S32PF(Lo)4	104	1.35	6,908	0.90	0.20	1,016
B009	Parking Garage	8S60PF(em)2	2	121	0.24	5109.72		1,237	8S32PF(em)Lo)4	104	0.21	1,063	0.90	0.03	156
B010	Tele - Equip.	8S60PF4	1	242	0.24	250		51	8W32PF(R)4	116	0.12	29	0.17	0.02	28
								Total kWh:	827,640.51				420.87	107.03	442,587
								Total kW:	272.75						

NOTE: If the annual hours are less than 1,500 hrs. The demand savings are not fully claimed.

Project: **Arapahoe County**
Building: **(38) Sheriff/Coroner Facility**
Job No. **DWCES30219**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
1139	Armory	24T32RF3	3	87	0.26	2625		685	24T32RF(R)2	59	0.18	465	0.90	199
11425	Hall	22T17RF(u/Lou)2	16	59	0.94	3750		3,540	22T17RF(R/Lou)2	33	0.53	1,980	0.90	1,404
1134	Juvenile Interview	24T32RF(Lou)3	1	87	0.09	500		44	24T32RF(LowR)2	59	0.06	30	0.33	13
1128	Coffee	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	61
1123	Conference	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(LowR)2	59	0.12	30	0.17	13
1119	Work Rm	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	132
1118	File Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	59	0.12	59	0.33	25
11115	Hall	22T32RF(u/Lou)2	4	59	0.24	3750		885	22T17RF(R/Lou)2	33	0.13	495	0.90	351
1107	Reception	22T32RF(u/Lou)2	4	59	0.24	2625		620	22T17RF(R/Lou)2	33	0.13	347	0.90	246
1112	Small Conference	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(LowR)2	59	0.12	30	0.17	13
1110	Library	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LowR)2	59	0.12	310	0.90	132
1300	Women's Locker	22T32RF(u/Lou)2	4	59	0.24	2625		620	22T17RF(R/Lou)2	33	0.13	347	0.90	246
1106	Exercise	24T32RF3	12	87	1.04	2625		2,741	24T32RF(R)2	59	0.71	1,859	0.90	794
1144A	Evidence Exam	24T32RF(Lou)3	3	87	0.26	2625		685	24T32RF(LowR)2	59	0.18	465	0.90	199
1142	Prop. Evidence. Intake	24T32RF(Lou)3	6	87	0.52	2625		1,370	24T32RF(LowR)2	59	0.35	929	0.90	397
1204	Small Conference	24T32RF(Lou)3	3	87	0.26	250		65	24T32RF(LowR)2	59	0.18	44	0.17	19
1205	Depth Storage	24T32RF3	7	87	0.61	500		305	24T32RF(R)2	59	0.41	207	0.33	88
1206	Interview Test	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(LowR)2	59	0.12	59	0.33	25
1203	Equipment Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	59	0.12	59	0.33	25
1209	Electronics	24T32RF(Lou)3	10	87	0.87	2625		2,284	24T32RF(LowR)2	59	0.59	1,549	0.90	682
1208A	Coffee	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	61
1211	Testing/Staging	24T32RF(Lou)3	9	87	0.78	2625		2,055	24T32RF(LowR)2	59	0.53	1,394	0.90	595
1464	O.D.	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LowR)2	59	0.12	310	0.90	132
1472	Hair + Fiber	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	59	0.06	155	0.90	66
1471	Shake Down	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	59	0.06	155	0.90	66
1465	In-Proc. Evid.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	132
1457.1	West of AFIS	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	61
1457	AFIS	24T32RF(Lou)3	6	87	0.52	2625		1,370	24T32RF(LowR)2	59	0.35	929	0.90	397
1457.2	East of AFIS	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	61
1481	Coffee	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	61
1455	Studio	22T17RF(Lou)3	2	47	0.09	2625		247	22T17RF(R/Lou)2	33	0.07	173	0.90	66

hrs. The demand savings are not fully claimed.

Job No. **DWCES30219**

Project: **Arapahoe County**

Building: **(38) Sheriff/Coroner Facility**

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)	Demand Diversity Factor	Energy (kWh)
1144	Property Release	24T32RF(Lou)3	1	87	0.09	2625		228	24T32RF(LouR)2	59	0.06	155	0.90	66
H1301.1	Hall	22T32RF(u/Lou)2	1	59	0.06	3750		221	22T17RF(R/Lou)2	33	0.03	124	0.90	88
1301	Women's TLT.	22T32RF(u/Lou)2	2	59	0.12	2625		310	22T17RF(R/Lou)2	33	0.07	173	0.90	123
1303	Men's Locker	22T32RF(u/Lou)2	8	59	0.47	2625		1,239	22T17RF(R/Lou)2	33	0.26	693	0.90	491
1303	Men's Locker	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	61
H1106A	Hall	22T32RF(u/Lou)2	3	59	0.18	3750		664	22T17RF(R/Lou)2	33	0.10	371	0.90	263
H1401	Hall	22T32RF(u/Lou)2	6	59	0.35	3750		1,328	22T17RF(R/Lou)2	33	0.20	743	0.90	527
1406	Coroners Gen Stor.	24T32RF3	8	87	0.70	2625		1,827	24T32RF(R)2	59	0.47	1,239	0.90	529
1143	Conference	22T32RF(u/Lou)2	8	59	0.47	250		118	22T17RF(R/Lou)2	33	0.26	66	0.17	47
1049A	Coffee	22T32RF(u/Lou)2	2	59	0.12	2625		310	22T17RF(R/Lou)2	33	0.07	173	0.90	123
1408	Storage	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(LouR)2	59	0.12	59	0.33	25
1409	Break	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	132
H1419.1	Reception Entry	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	61
1419	Reception	22T32RF(u/Lou)2	4	59	0.24	2625		620	22T17RF(R/Lou)2	33	0.13	347	0.90	246
1421	Waiting/View	24T32RF(Lou)3	3	87	0.26	2625		685	24T32RF(LouR)2	59	0.18	465	0.90	199
1423	View	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	59	0.06	155	0.90	66
1424	Vest	24T32RF3	5	87	0.44	3750		1,631	24T32RF(R)2	59	0.30	1,106	0.90	473
1427	Tox.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	132
1428	Hist.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	132
1429.1	Drying Rm.	24T32RF4	1	112	0.11	2625		294	24T32RF(R)2	59	0.06	155	0.90	125
1429	Autopsy	24T32RF4	5	112	0.56	2625		1,470	24T32RF(R)2	59	0.30	774	0.90	626
1429	Autopsy	24T32RF4	4	112	0.45	2625		1,176	24T32RF(R)2	56	0.22	588	0.90	529
1429	Autopsy	24T32RF4	12	112	1.34	2625		3,528	24T32RF(R)2	56	0.67	1,764	0.90	1,588
1429	Autopsy	24T32RF4	2	112	0.22	2625		588	24T32RF(R)2	59	0.12	310	0.90	250
1433	Laundry	24T32RF4	3	112	0.34	500		168	24T32RF(R)2	59	0.18	89	0.33	72
1434	Tissue Prep.	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	132
1432	Spec. Autopsy	24T32RF4	4	112	0.45	2625		1,176	24T32RF(R)2	56	0.22	588	0.90	529
1432	Spec. Autopsy	24T32RF4	2	112	0.22	2625		588	24T32RF(R)2	59	0.12	310	0.90	250
1431	X-Ray	24T32RF4	4	112	0.45	2625		1,176	24T32RF(R)2	59	0.24	620	0.90	501
1478	ENT	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(LouR)2	59	0.12	310	0.90	132
1474	ALS. Rm.	24T32RF(Lou)3	6	87	0.52	2625		1,370	24T32RF(LouR)2	59	0.35	929	0.90	397
1467	Lab	24T32RF(Lou)3	6	87	0.52	2625		1,370	24T32RF(LouR)2	59	0.35	929	0.90	397

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
1458	Copy Rm.	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	59	0.06	155	0.90	0.03	66
1459	Shoe & Tire	24T32RF3	1	87	0.09	2625		228	24T32RF(R)2	59	0.06	155	0.90	0.03	66
H1466	Vest	22T32RF(uLou)2	3	59	0.18	3750		664	22T17RF(R/Lou)2	33	0.10	371	0.90	0.07	263
H1462	Passage	22T32RF(uLou)2	3	59	0.18	3750		664	22T17RF(R/Lou)2	33	0.10	371	0.90	0.07	263
1470	Storage	24T32RF3	1	87	0.09	500		44	24T32RF(R)2	59	0.06	30	0.33	0.01	13
1463	Multi-Media Comp. Lab	24T32RF(Lou)3	4	87	0.35	2625		914	24T32RF(Lou/R)2	59	0.24	620	0.90	0.10	265
1458	Office	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
1460	Wet Lab	24T32RF(Lou)3	3	87	0.26	2625		685	24T32RF(Lou/R)2	59	0.18	465	0.90	0.08	199
1459	Instr. Rm.	24T32RF(Lou)3	3	87	0.26	2625		685	24T32RF(Lou/R)2	59	0.18	465	0.90	0.08	199
1452	Film + Print Processing	24T32RF3	11	87	0.96	2625		2,512	24T32RF(R)2	59	0.65	1,704	0.90	0.28	728
2110	Vest.	22T32RF(u)2	6	59	0.35	3750		1,328	22T17RF(R)2	33	0.20	743	0.90	0.14	527
2111	Bldg. Maint. Supply	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
2109	Maint. Staff	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
2108	Central Supply	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
2107	Mail	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
H2105	Hall	22T32RF(u)2	5	59	0.30	3750		1,106	22T17RF(R)2	33	0.17	619	0.90	0.12	439
2106	Lab	24T32RF(Lou)3	4	87	0.35	2625		914	24T32RF(Lou/R)2	59	0.24	620	0.90	0.10	265
2102	Small Conference	24T32RF(Lou)3	3	87	0.26	250		65	24T32RF(Lou/R)2	59	0.18	44	0.17	0.01	19
2103	Reception	22T32RF(uLou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	0.02	61
H2311	Hall	22T32RF(uLou)2	6	59	0.35	3750		1,328	22T17RF(R/Lou)2	33	0.20	743	0.90	0.14	527
2305	Records Storage	24T32RF3	18	87	1.57	500		783	24T32RF(R)2	59	1.06	531	0.33	0.15	227
2307	Copy	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
H2307	Entry to Copy	24T32RF3	1	87	0.09	3750		326	24T32RF(R)2	59	0.06	221	0.90	0.03	95
2318	Interview	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(Lou/R)2	59	0.12	59	0.33	0.02	25
2327	Work Rm./Storage	24T32RF3	2	87	0.17	2625		457	24T32RF(R)2	59	0.12	310	0.90	0.05	132
H2120.1	Hall	22T32RF(uLou)2	16	59	0.94	3750		3,540	22T17RF(R/Lou)2	33	0.53	1,980	0.90	0.37	1,404
2123	Med. Conference	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(Lou/R)2	59	0.12	30	0.17	0.01	13
2123	Med. Conference	24T32RF(Lou)3	4	87	0.35	250		87	24T32RF(Lou/R)2	59	0.24	59	0.17	0.02	25
2116	Computer	24T32RF(Lou)3	20	87	1.74	2625		4,568	24T32RF(Lou/R)2	59	1.18	3,098	0.90	0.50	1,323
2116	Computer	22T17RF(Lou)3	6	47	0.28	2625		740	22T17RF(R/Lou)2	33	0.20	520	0.90	0.08	199
2116A	Tape	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	59	0.18	89	0.33	0.03	38
2201	Locked Coats	22T32RF(uLou)2	5	59	0.30	500		148	22T17RF(R/Lou)2	33	0.17	83	0.33	0.04	59

hrs. The demand savings are not fully claimed.

Job No. DWCES30219

Project: Arapahoe County

Building: (38) Sheriff/Coroner Facility

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
2204	Copier	24T32RF(Lou)3	4	87	0.35	2625		914	24T32RF(Lou)2	59	0.24	620	0.90	0.10	285
2200	Dispatch	24T32RF(Lou)3	26	87	2.26	6256.8		14,153	24T32RF(Lou)2	59	1.53	9,598	0.90	0.66	4,100
2203	Equipment	24T32RF3	4	87	0.35	2625		914	24T32RF(R)2	59	0.24	620	0.90	0.10	265
2207	Small Conference	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(Lou)2	59	0.12	30	0.17	0.01	13
2200.1	Entry to Dispatch	22T32RF(u/Lou)2	1	59	0.06	6256.8		369	22T17RF(R/Lou)2	33	0.03	206	0.90	0.02	146
2214	Vend	24T32RF(Lou)3	4	87	0.35	6256.8		2,177	24T32RF(Lou)2	59	0.24	1,477	0.90	0.10	631
H2421.1	West of Large Conference	22T32RF(u/Lou)2	2	59	0.12	3750		443	22T17RF(R/Lou)2	33	0.07	248	0.90	0.05	176
2421	Large Conference	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	0.02	61
2421	Large Conference	24T32RF(Lou)3	6	87	0.52	2625		1,370	24T32RF(Lou)2	59	0.35	929	0.90	0.15	397
2416	File/Storage	24T32RF3	4	87	0.35	500		174	24T32RF(R)2	59	0.24	118	0.33	0.03	50
2418	AV Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	59	0.12	59	0.33	0.02	25
2418	AV Storage	22T32RF(u)2	3	59	0.18	500		89	22T17RF(R)2	33	0.10	50	0.33	0.02	35
2420	Employee Storage	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(Lou)2	59	0.12	59	0.33	0.02	25
2419	Secretary	22T32RF(u/Lou)2	2	59	0.12	2625		310	22T17RF(R/Lou)2	33	0.07	173	0.90	0.05	123
H2421.2	East of Large Conference	22T32RF(u/Lou)2	2	59	0.12	3750		443	22T17RF(R/Lou)2	33	0.07	248	0.90	0.05	176
2327	Work Rm. / Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	59	0.12	59	0.33	0.02	25
H2400	Corridor	22T32RF(u/Lou)2	24	59	1.42	3750		5,310	22T17RF(R/Lou)2	33	0.79	2,970	0.90	0.56	2,106
H2417	Hall by Library	22T32RF(u/Lou)2	4	59	0.24	3750		885	22T17RF(R/Lou)2	33	0.13	495	0.90	0.09	351
2410	Training Storage	24T32RF3	6	87	0.52	500		261	24T32RF(R)2	59	0.35	177	0.33	0.05	76
2402	Coffee	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	0.05	132
2304	Fingerprint I.D.	22T32RF(u/Lou)2	2	59	0.12	2625		310	22T17RF(R/Lou)2	33	0.07	173	0.90	0.05	123
2303	Meagans Law DB	22T32RF(u/Lou)2	2	59	0.12	2625		310	22T17RF(R/Lou)2	33	0.07	173	0.90	0.05	123
2304.1	East of Fingerprint I.D.	24T32RF(Lou)3	1	87	0.09	3750		326	24T32RF(Lou)2	59	0.06	221	0.90	0.03	95
2306	Archive Storage	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	59	0.18	89	0.33	0.03	38
2312	File Storage	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	59	0.18	89	0.33	0.03	38
2314	Closed Work Rm.	24T32RF(Lou)3	3	87	0.26	2625		685	24T32RF(Lou)2	59	0.18	465	0.90	0.08	199
H3105	Hall	22T32RF(u/Lou)2	8	59	0.47	3750		1,770	22T17RF(R/Lou)2	33	0.26	990	0.90	0.19	702
3102	Entry	22T32RF(u/Lou)2	3	59	0.18	3750		664	22T17RF(R/Lou)2	33	0.10	371	0.90	0.07	263
3316	Temp/Recept.	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	0.02	61
3119	General Storage	22T32RF(u/Lou)2	12	59	0.71	500		354	22T17RF(R/Lou)2	33	0.40	198	0.33	0.09	140
H3401	Hall	22T32RF(u/Lou)2	13	59	0.77	3750		2,876	22T17RF(R/Lou)2	33	0.43	1,609	0.90	0.30	1,141
3407	F.R.E.D.	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou)2	59	0.12	310	0.90	0.05	132

Project: **Arapahoe County**

Building: **(38) Sheriff/Coroner Facility**

Job No.

DWGES30219

hrs. The demand savings are not fully claimed.

Room Number	Surveyed Locations	Existing Fixtures ID Code	No. of Fixtures per Area	Watts per Fixture	Area's Working (kW)	Annual Hours of Usage	Number of Lamps Dead & Gone	Existing Annual (kWh)	RETROFIT				Demand Diversity Factor	SAVINGS	
									Retrofit Fixture ID Code	Retrofit Fixture Wattage	Retrofit Install (kW)	Retrofit Annual (kWh)		Demand (kW)	Energy (kWh)
3408	Large Conference	24T32RF(Lou)3	6	87	0.52	250		131	24T32RF(Lou/R)2	59	0.35	89	0.17	0.03	38
3409	Small Conference	24T32RF(Lou)3	2	87	0.17	250		44	24T32RF(Lou/R)2	59	0.12	30	0.17	0.01	13
34330	Hall	22T32RF(u/Lou)2	14	59	0.83	3750		3,098	22T17RF(R/Lou)2	33	0.46	1,733	0.90	0.33	1,229
3331	Victims Assist	24T32RF(Lou)3	2	87	0.17	2625		457	24T32RF(Lou/R)2	59	0.12	310	0.90	0.05	132
3332	Soft Interview	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(Lou/R)2	59	0.12	59	0.33	0.02	25
3333	Soft Interview	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(Lou/R)2	59	0.12	59	0.33	0.02	25
3335	Polygraph	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(Lou/R)2	59	0.12	59	0.33	0.02	25
3336	File Storage	24T32RF3	2	87	0.17	500		97	24T32RF(R)2	59	0.12	59	0.33	0.02	25
3337	Victims Interview	24T32RF(Lou)3	2	87	0.17	500		87	24T32RF(Lou/R)2	59	0.12	59	0.33	0.02	25
3328	Coffee	22T32RF(u/Lou)2	2	59	0.12	2625		310	22T17RF(R/Lou)2	33	0.07	173	0.90	0.05	123
3316	Coffee	22T32RF(u/Lou)2	1	59	0.06	2625		155	22T17RF(R/Lou)2	33	0.03	87	0.90	0.02	61
3315	Reception	22T32RF(u/Lou)2	6	59	0.35	2625		929	22T17RF(R/Lou)2	33	0.20	520	0.90	0.14	369
3323	Work Rm. / Storage	24T32RF3	6	87	0.52	2625		1,370	24T32RF(R)2	59	0.35	929	0.90	0.15	397
3324	Secure Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	59	0.12	59	0.33	0.02	25
3304	File Storage	24T32RF3	3	87	0.26	500		131	24T32RF(R)2	59	0.18	89	0.33	0.03	38
3112	Archive Storage	24T32RF3	6	87	0.52	500		261	24T32RF(R)2	59	0.35	177	0.33	0.05	76
3111	Sheriff	22T32RF(u/Lou)2	1	59	0.06	5256.8		369	22T17RF(R/Lou)2	33	0.03	206	0.90	0.02	146
3122	Interview	24T32CF(Lou)3	1	97	0.09	500		44	24T32CF(Lou/R)2	59	0.06	30	0.33	0.01	13
3410	Interview	24T32CF(Lou)3	2	87	0.17	500		87	24T32CF(Lou/R)2	59	0.12	59	0.33	0.02	25
3413	File Storage	24T32RF3	2	87	0.17	500		87	24T32RF(R)2	59	0.12	59	0.33	0.02	25
Total kW: 46.53									Total kWh: 115,968.43				106.83	12.88	39,353

Appendix B

Standards of Control

Equipment Operating Schedules - Arapahoe County Buildings

Building	Schedule	Equipment	EXISTING					PROPOSED					Notes			
			Start	Stop	Days	Heating		Cooling	Start	Stop	Days	Heating		Cooling		
						Occupied	Unoccupied					Occupied			Unoccupied	
01 - Administration Building	A	DHW-1 & HX Pump	0:00	23:59	MTWRF	N/A	N/A	N/A	N/A	N/A	18:30	MTWRF	N/A	N/A	N/A	N/A
			0:00	23:59	SS							SS				
01 - Administration Building	B	AH-1	5:00	23:00	MTWRF	70-72	OFF	72-74	OFF	72-74	6:00	MTWRF	72	55	74	OFF
			8:00	16:00	SS	70-72	OFF	72-74	OFF	72-74	6:00	SS	OFF	55	OFF	OFF
01 - Administration Building	C	AH-2	5:00	23:00	MTWRF	70-72	OFF	72-74	OFF	72-74	6:00	MTWRF	72	55	74	OFF
			8:00	16:00	SS	70-72	OFF	72-74	OFF	72-74	6:00	SS	OFF	55	OFF	OFF
01 - Administration Building	D	AH-3	5:00	23:00	MTWRF	70-72	OFF	72-74	OFF	72-74	6:00	MTWRF	72	55	74	OFF
			8:00	16:00	SS	70-72	OFF	72-74	OFF	72-74	6:00	SS	OFF	55	OFF	OFF
01 - Administration Building	E	AH-4	5:00	23:00	MTWRF	70-72	OFF	72-74	OFF	72-74	6:00	MTWRF	72	55	74	OFF
			8:00	16:00	SS	70-72	OFF	72-74	OFF	72-74	6:00	SS	OFF	55	OFF	OFF
12 - Arapahoe Plaza East Building	A	AHU-E1	6:00	22:00	MTWRF	70-72	OFF	72-74	OFF	72-74	7:00	MTWRF	72	55	74	OFF
			8:00	16:30	SS	70-72	OFF	72-74	OFF	72-74	7:00	SS	OFF	55	OFF	OFF
12 - Arapahoe Plaza East Building	B	AHU-E2	6:00	22:00	MTWRF	70-72	OFF	72-74	OFF	72-74	7:00	MTWRF	72	55	74	OFF
			8:00	16:30	SS	70-72	OFF	72-74	OFF	72-74	7:00	SS	OFF	55	OFF	OFF
13 - Arapahoe Human Services	A	AHU-SE1	Existing Schedule Was Not Available to Chevron Energy Solutions								7:00	MTWRF	72	55	74	OFF
											7:00	SS	OFF	55	OFF	OFF
13 - Arapahoe Human Services	B	AHU-SE2	Existing Schedule Was Not Available to Chevron Energy Solutions								7:00	MTWRF	72	55	74	OFF
											7:00	SS	OFF	55	OFF	OFF
13 - Arapahoe Human Services	C	AHU-SW1	Existing Schedule Was Not Available to Chevron Energy Solutions								7:00	MTWRF	72	55	74	OFF
											7:00	SS	OFF	55	OFF	OFF
13 - Arapahoe Human Services	D	AHU-SW2	Existing Schedule Was Not Available to Chevron Energy Solutions								7:00	MTWRF	72	55	74	OFF
											7:00	SS	OFF	55	OFF	OFF
14 - Arapahoe Plaza West Building	A	AHU-W1	0:00	23:59	MTWRF	70-72	OFF	72-74	OFF	72-74	7:00	MTWRF	72	55	74	OFF
			4:00	18:00	SS	70-72	OFF	72-74	OFF	72-74	7:00	SS	OFF	55	OFF	OFF
14 - Arapahoe Plaza West Building	B	AHU-W2	0:00	23:59	MTWRF	70-72	OFF	72-74	OFF	72-74	7:00	MTWRF	72	55	74	OFF
			4:00	18:00	SS	70-72	OFF	72-74	OFF	72-74	7:00	SS	OFF	55	OFF	OFF
15 - Federal Warehouse	A	RTU-1 & RTU-4	N/A	N/A	MTWRF	68	55-63	72-78	72-90	72-90	6:00	MTWRF	68	55	74	OFF
			N/A	N/A	SS	68	55-63	72-78	72-90	72-90	6:00	SS	OFF	55	OFF	OFF
15 - Federal Warehouse	B	RTU-2 & RTU-3	6:00	18:00	MTWRF	66	55-59	68-73	90	90	6:00	MTWRF	66	55	74	OFF
			6:00	18:00	SS	66	55-59	68-73	90	90	6:00	SS	OFF	55	OFF	OFF
15 - Federal Warehouse	C	RTU-5, RTU-6, RTU-8, RTU-9	6:00	18:00	MTWRF	63-66	55-60	71-76	73-90	73-90	6:00	MTWRF	65	55	74	OFF
			6:00	18:00	SS	63-66	55-60	71-76	73-90	73-90	6:00	SS	OFF	55	OFF	OFF
15 - Federal Warehouse	D	RTU-7	5:00	17:00	MTWRF	70	60	74	90	90	6:00	MTWRF	70	55	74	OFF
			5:00	17:00	SS	70	60	74	90	90	6:00	SS	OFF	55	OFF	OFF
15 - Federal Warehouse	D	RTU-10	0:00	23:59	MTWRF	70-72	70-72	72-74	72-74	72-74	6:00	MTWRF	70	55	74	OFF
			0:00	23:59	SS	70-72	70-72	72-74	72-74	72-74	6:00	SS	OFF	55	OFF	OFF
20 - Tri County Health	A	AC-1	0:00	23:59	MTWRF	70-72	70-72	72-74	72-74	72-74	7:00	MTWRF	72	55	74	OFF
			0:00	23:59	SS	70-72	70-72	72-74	72-74	72-74	7:00	SS	OFF	55	OFF	OFF
20 - Tri County Health	B	F-3 to F-6	0:00	23:59	MTWRF	70-72	70-72	72-74	72-74	72-74	7:00	MTWRF	72	55	74	OFF
			0:00	23:59	SS	70-72	70-72	72-74	72-74	72-74	7:00	SS	OFF	55	OFF	OFF
20 - Tri County Health	C	RTU-1 to RTU-4	0:00	23:59	MTWRF	70-72	70-72	72-74	72-74	72-74	7:00	MTWRF	72	55	74	OFF
			0:00	23:59	SS	70-72	70-72	72-74	72-74	72-74	7:00	SS	OFF	55	OFF	OFF

[illegible]

The existing schedule reflects the schedule that was used during the baseline utility period, which may differ from the current schedule. Since the existing schedule for this unit is unknown, the unit was assumed to be operating according to the existing schedule shown for the units at Arapahoe Plaza East Building. The schedule readout on the programmable thermostat was dysfunctional during the time of the survey.

Some of the areas served by the WSHPs are occupied during times outside of the proposed operating schedule. Since each WSHP will be controlled independently, each WSHP will have its own operating schedule that can be modified to accommodate a specific occupancy schedule.

Appendix C

Points Lists

LOCATION Arapahoe County, CO 5/5/2004		Description		HARDWARE										SOFTWARE				COMMENTS AND SPECIAL FUNCTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Total New Points For This Sheet

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Total New Points For This Building

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LOCATION Arapahoe County, CO 5/5/2004	Description	Location	HARDWARE										SOFTWARE				COMMENTS AND SPECIAL FUNCTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Total New Points For This Sheet

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Total New Points For This Building

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LOCATION Arapahoe County, CO 6/30/2005	Description	Location	HARDWARE										SOFTWARE		Trend COS = Change of state F = Floor Graphics U = Unit Graphic S = Summary Graphic	Note (1) Schedule	Note (2) Trend	Note (3) Alarm	Graphic	COMMENTS AND SPECIAL FUNCTIONS				
			EMS OUTPUTS					EMS INPUTS					Trend	Alarm							Graphic			
			DIGITAL		ANALOG			DIGITAL		ANALOG														
			Relay	Solenoid	Contactors	PE Transducer	EP Transducer	0-10Vdc or 4-20 mA	Pressure Switch	Flow Switch	Switch Closure	Override										Current Sensor	Temperature	Relative Humidity
24 - Centrepont Building																								
EXISTING POINTS																								
	Outside Air Temperature															1			1/2 hr		F.U.S			
AHU-1																								
	Supply Fan Start/Stop		1																COS		X	U		
	Supply Fan Status																		COS			U		
	Supply Fan VFD Control																					U		
	Duct Static Pressure																		1 hr			F.U		
	Return Fan Start/Stop		1																COS		X	U		
	Return Fan Status																		COS			U		
	Return Fan VFD Control																					U		
	Building Static Pressure																		1 hr			F.U		
	Mixed Air Damper																					U		
	Mixed Air Temperature																		1 hr			U		
	Return Air Temperature																		1 hr			U		
	Discharge Air Temperature																		1 hr			U		
	DX Cooling Compressor		1																COS			U		
	Natural gas burner		1																COS			U		
AHU-2																								
	Supply Fan Start/Stop		1																COS			U		
	Supply Fan Status																		COS		X	U		
	Supply Fan VFD Control																					U		
	Duct Static Pressure																		1 hr			F.U		
	Return Fan Start/Stop		1																COS			U		
	Return Fan Status																		COS		X	U		
	Return Fan VFD Control																					U		
	Building Static Pressure																		1 hr			F.U		
	Mixed Air Damper																					U		
	Mixed Air Temperature																		1 hr			U		
	Return Air Temperature																		1 hr			U		
	Discharge Air Temperature																		1 hr			U		
	DX Cooling Compressor		1																COS			U		
	Natural gas burner		1																COS			U		
AHU-3																								
	Supply Fan Start/Stop		1																COS			U		
	Supply Fan Status																		COS		X	U		
	Supply Fan VFD Control																					U		
	Duct Static Pressure																		1 hr			F.U		
	Return Fan Start/Stop		1																COS			U		
	Return Fan Status																		COS		X	U		
	Return Fan VFD Control																					U		
	Building Static Pressure																		1 hr			F.U		
	Mixed Air Damper																					U		
	Mixed Air Temperature																		1 hr			U		
	Return Air Temperature																		1 hr			U		
	Discharge Air Temperature																		1 hr			U		
	DX Cooling Compressor		1																COS			U		
	Natural gas burner		1																COS			U		
TOTALS			12	0	0	0	0	0	9	6	0	0	0	0	0	10	0	6	0					

LOCATION Arapahoe County, CO 6/30/2005	Description	Location	HARDWARE										SOFTWARE		COMMENTS AND SPECIAL FUNCTIONS					
			EMS OUTPUTS					EMS INPUTS												
			DIGITAL		ANALOG			DIGITAL		ANALOG										
			Relay	Solenoid	Contact	PE Transducer	EP Transducer	0-10vdc or 4-20 mA	Pressure Switch	Flow Switch	Switch Closure	Override	Current Sensor	Temperature		Relative Humidity	PSI, or PSIG, or PSD	Carbon Monoxide Level /	Air Flow (CFM)	Trend
	EXISTING POINTS																			
	Outside Air Temperature											1						1/2 hr		F.U.S
	Boilers (B-1 - B-2)	Basement Mech. Rm	1																	
	Boiler B-1 Enable/Disable																			
	Boiler B-1 Flame Failure Alarm																			
	Boiler B-1 LO/Hi Fire control																			
	Boiler B-2 Enable/Disable																			
	Boiler B-2 Flame Failure Alarm																			
	Boiler B-2 LO/Hi Fire control																			
	Pump P-1 Start/Stop																			
	Pump P-1 Status																			
	Pump P-2 Start/Stop																			
	Pump P-2 Status																			
	Pump P-3 Status																			
	Pump P-6 Status																			
	Pump P-7 Status																			
	Pump P-10 Status																			
	Heat Exchanger Valve																			
	Heat Exchanger HW Supply Temp																			
	AHU-1 HW Coil Valve																			
	Chilled Water System	Basement Mech. Rm	1																	
	CH-1 Start/Stop																			
	CH-1 Status																			
	Pump P-3 Start/Stop																			
	Pump P-3 Status																			
	Pump P-4 Start/Stop																			
	Pump P-4 Status																			
	Pump P-8 Start/Stop																			
	Pump P-8 Status																			
	Pump P-9 Start/Stop																			
	Pump P-9 Status																			
	CH-1 Return Water Temp																			
	Condenser Water Valve																			
	Cooling Tower enable/Disable																			
	Cooling Tower Drain Valve																			
	Lighting Control																			
	Basement Lighting																			
	1st Floor Lighting																			
	2nd Floor Lighting																			
	3rd Floor Lighting																			
	4th Floor Lighting																			
	Exhaust Fan Control																			
	Exhaust fans 1-4, Transfer Fans 1-2 Start/Stop		1																	
	TOTALS		19	0	0	0	0	3	0	0	0	13	3	0	0	0				

Total Existing Points For This Sheet

LOCATION Arapahoe County, CO 6/30/2005	Description	Location	HARDWARE										SOFTWARE	COMMENTS AND SPECIAL FUNCTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Total Existing Points For This Sheet 800

Total Existing Points 838

LOCATION Arapahoe County, CO 6/30/2005	Description	Location	HARDWARE										SOFTWARE	COMMENTS AND SPECIAL FUNCTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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LOCATION Apache County, CO 6/30/2005	Description	Location	HARDWARE										SOFTWARE		COMMENTS AND SPECIAL FUNCTIONS												
			EMS OUTPUTS					EMS INPUTS					Trend:	Note (1) Schedule		Note (2) Trend	Note (2) Alarm	Note (2) Graphic									
			Relay	Solenoid	Contactor	PE Transducer	EP Transducer	0-10vdc or 4-20 mA	Pressure Switch	Flow Switch	Switch Closure	Override							Current Sensor	Temperature	Relative Humidity	PSI, or PSIG, or PSD	Carbon Monoxide Level /	Air Flow (CFM)			
																									DIGITAL	ANALOG	DIGITAL
37 - ACJC Administration II Replace Siemens EMCS	AHU-1		1																A			COS			U		
	Supply Fan Start/Stop																					COS	X		U		
	Supply Fan Status																								U		
	Supply Fan Inlet Vanes Control																								U		
	Duct Static Pressure																					1 hr		F.U			
	Mixed Air Damper																					1 hr			U		
	Mixed Air Temperature																					1 hr			U		
	Return Air Temperature																					1 hr			U		
	Discharge Air Temperature																					1 hr			U		
	CHW Coil Valve																									U	
	AHU-2		1																	B			COS			U	
Supply Fan Start/Stop																					COS	X		U			
Supply Fan Status																					COS			U			
Supply Fan Inlet Vanes Control																									U		
Duct Static Pressure																					1 hr			F.U			
Mixed Air Damper																					1 hr				U		
Mixed Air Temperature																					1 hr				U		
Return Air Temperature																					1 hr				U		
Discharge Air Temperature																					1 hr				U		
CHW Coil Valve																									U		
AHU-3		1																	B			COS			U		
Supply Fan Start/Stop																					COS	X		U			
Supply Fan Status																					COS			U			
Supply Fan Inlet Vanes Control																					1 hr			F.U			
Duct Static Pressure																					1 hr				U		
Mixed Air Damper																					1 hr				U		
Mixed Air Temperature																					1 hr				U		
Return Air Temperature																					1 hr				U		
Discharge Air Temperature																					1 hr				U		
CHW Coil Valve																									U		
AHU-4		1																	A			COS			U		
Supply Fan Start/Stop																					COS	X		U			
Supply Fan Status																					COS			U			
Supply Fan Inlet Vanes Control																					1 hr			F.U			
Duct Static Pressure																					1 hr				U		
Mixed Air Damper																					1 hr				U		
Mixed Air Temperature																					1 hr				U		
Return Air Temperature																					1 hr				U		
Discharge Air Temperature																					1 hr				U		
CHW Coil Valve																									U		
TOTALS			4	0	0	0	0	12	4	0	0	0	0	12	0	4	0	0									

LOCATION Arapahoe County, CO 6/30/2005	Description	Location	HARDWARE										SOFTWARE			COMMENTS AND SPECIAL FUNCTIONS					
			EMS OUTPUTS					EMS INPUTS													
			DIGITAL		ANALOG			DIGITAL		ANALOG											
			Relay	Solenoid	Contactor	PE Transducer	EP Transducer	0-10vdc or 4-20 mA	Pressure Switch	Flow Switch	Switch Closure	Override	Current Sensor	Temperature	Relative Humidity		PSI, or PSIG, or PSD	Carbon Monoxide Level /	Air Flow (CFM)	Trend	Alarm
EXISTING POINTS																					
	Outside Air Temperature											1					1/2 hr			F.U.S	
	RTU-1	Roof																			
	Supply Fan Start/Stop		1														A	COS	X	U	
	Supply Fan Status																	COS		U	
	Supply Air Damper Control		1																	U	
	Supply Fan VFD Control																			U	
	Exhaust Fan VFD Control																			U	
	Duct Static Pressure																			U	
	Building Static Pressure																			U	
	Exhaust Air Damper																			U	
	Outside Air Damper																			U	
	Mixed Air Temperature																			U	
	Return Air Temperature																			U	
	Discharge Air Temperature																			U	
	Natural gas burner - 1																			U	
	Natural gas burner - 2		1																	U	
	Natural gas burner - 3		1																	U	
	Natural gas burner - 4		1																	U	
	DX Cooling Compressor - A		1																	U	
	DX Cooling Compressor - B		1																	U	
	DX Cooling Compressor - C		1																	U	
	DX Cooling Compressor - D		1																	U	
	RTU-2	Roof																			
	Supply Fan Start/Stop		1														A	COS		U	
	Supply Fan Status																	COS	X	U	
	Supply Air Damper Control		1																	U	
	Supply Fan VFD Control																			U	
	Exhaust Fan VFD Control																			U	
	Duct Static Pressure																			U	
	Building Static Pressure																			U	
	Exhaust Air Damper																			U	
	Outside Air Damper																			U	
	Mixed Air Temperature																			U	
	Return Air Temperature																			U	
	Discharge Air Temperature																			U	
	Natural gas burner - 1		1																	U	
	Natural gas burner - 2		1																	U	
	Natural gas burner - 3		1																	U	
	Natural gas burner - 4		1																	U	
	DX Cooling Compressor - A		1																	U	
	DX Cooling Compressor - B		1																	U	
	DX Cooling Compressor - C		1																	U	
	DX Cooling Compressor - D		1																	U	
TOTALS			18	0	0	0	0	8	2	0	0	0	0	7	0	4	0				

LOCATION Apache County, CO 6/30/2005	Description	Location	HARDWARE										SOFTWARE		COMMENTS AND SPECIAL FUNCTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			EMS OUTPUTS					EMS INPUTS					Trend	Note (2) Alarm		Note (2) Graphic																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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38 - Sheriff/Coroner Facility	RTU-3	Roof																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

LOCATION Arapahoe County, CO 6/30/2005	Description	Location	HARDWARE										SOFTWARE		COMMENTS AND SPECIAL FUNCTIONS		
			EMS OUTPUTS					EMS INPUTS									
			DIGITAL		ANALOG			DIGITAL		ANALOG							
			Relay	Solenoid	Contactors	PE Transducer	EP Transducer	0-10vdc or 4-20 mA	Pressure Switch	Flow Switch	Switch Closure	Override	Current Sensor	Temperature		Relative Humidity	PSD
		Roof															
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Appendix D

Weighted Average Service Life of the Project

APPENDIX D - WEIGHTED AVERAGE SERVICE LIFE OF THE PROJECT

	L&M Budget	Project Amount	% of Total	Estimated Service Life (Years)	Source
ECM					
Lighting Energy Efficiency Improvements		987,028	17.5%	11	2
Water Conservation Measures		158,604	2.8%	25	2
Water Conservation Measures w/ Waterless Urinal Retrofit		284,745	5.0%	25	2
Install New/Upgrade the Existing EMCS		1,818,146	32.2%	15	1
Install Programmable Thermostats		5,531	0.1%	15	1
Replace the Existing Chillers and Cooling Tower		174,732	3.1%	22	1
Replace the Existing Natural Gas Fired Boilers		254,842	4.5%	25	1
Install a New VFD on Existing Exhaust Fan		31,157	0.6%	15	2
Install a New VFD on Existing Vane Axial Fan		117,963	2.1%	15	2
Install A/C Units to Serve Computer Equipment Rooms		84,388	1.5%	20	1
Water Softener		400,401	7.1%	15	2
Waterside Economizer		82,031	1.5%	24	1
Irrigation Control System Upgrade		29,651	0.5%	15	1
Programmable Flush Valve Controls		743,272	13.2%	15	1
Water Reclaim		52,434	0.9%	10	1
Laundry Conservation		52,747	0.9%	15	2
Replace DHW HX with new DHW Heater		25,935	0.5%	24	1
Energy Resource Conservation Management Program		78,169	1.4%	19	3
New Cooling Tower		217,137	3.8%	20	1
Retro Commissioning		50,885	0.9%	15	1
Replace Existing Moduline Boxes w/ VAV Terminal Units		0	0.0%	23	1

5,649,798 100%

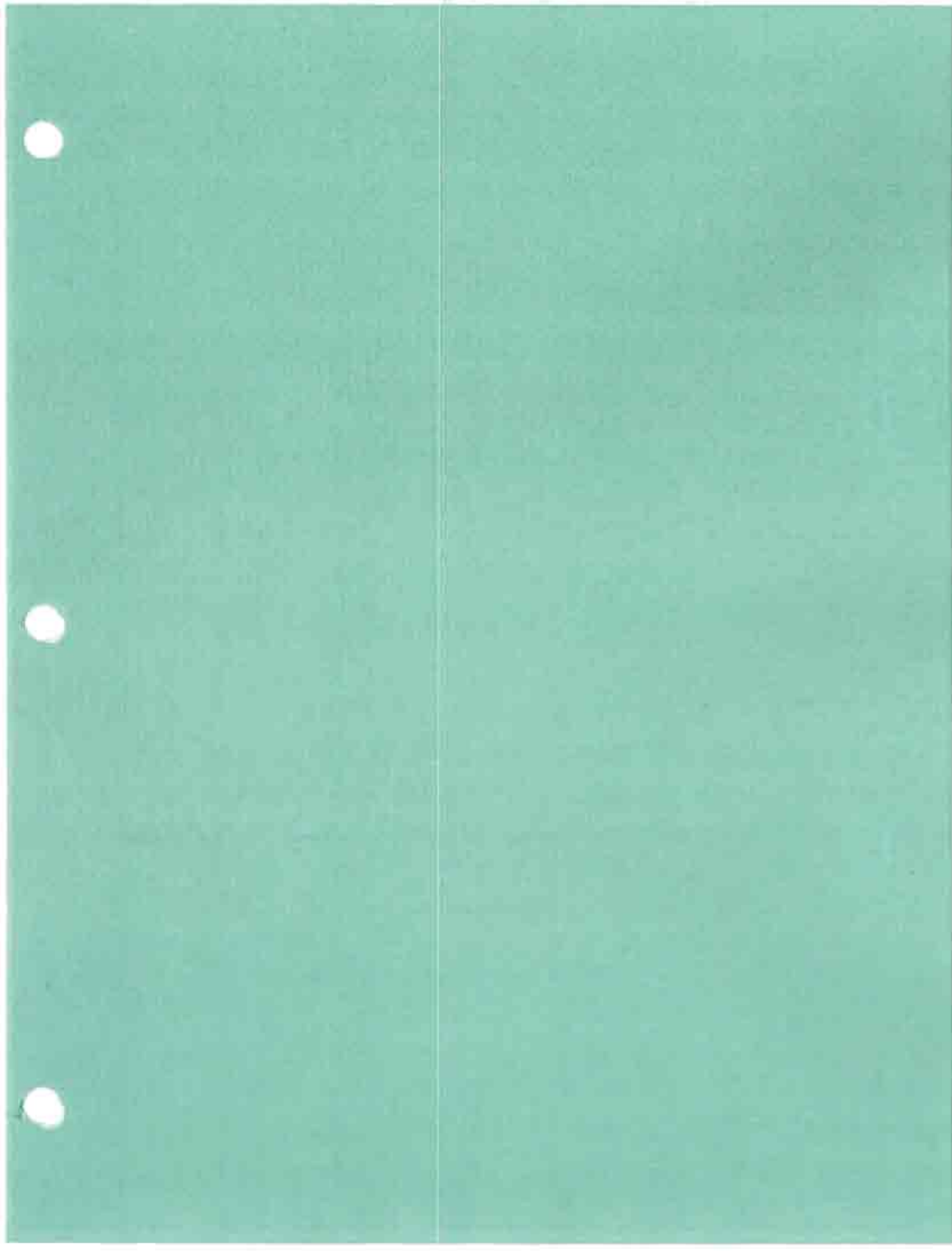
WEIGHTED AVERAGE SERVICE LIFE OF THE PROJECT:

20.4

16.2

Sources of Estimated Service Life

- 1 2003 ASHRAE Applications Handbook, page 36.3
- 2 Manufacturers Literature
- 3 Life of Program



**Comprehensive
Energy
Analysis
of
Arapahoe County
Littleton, Colorado**

by:

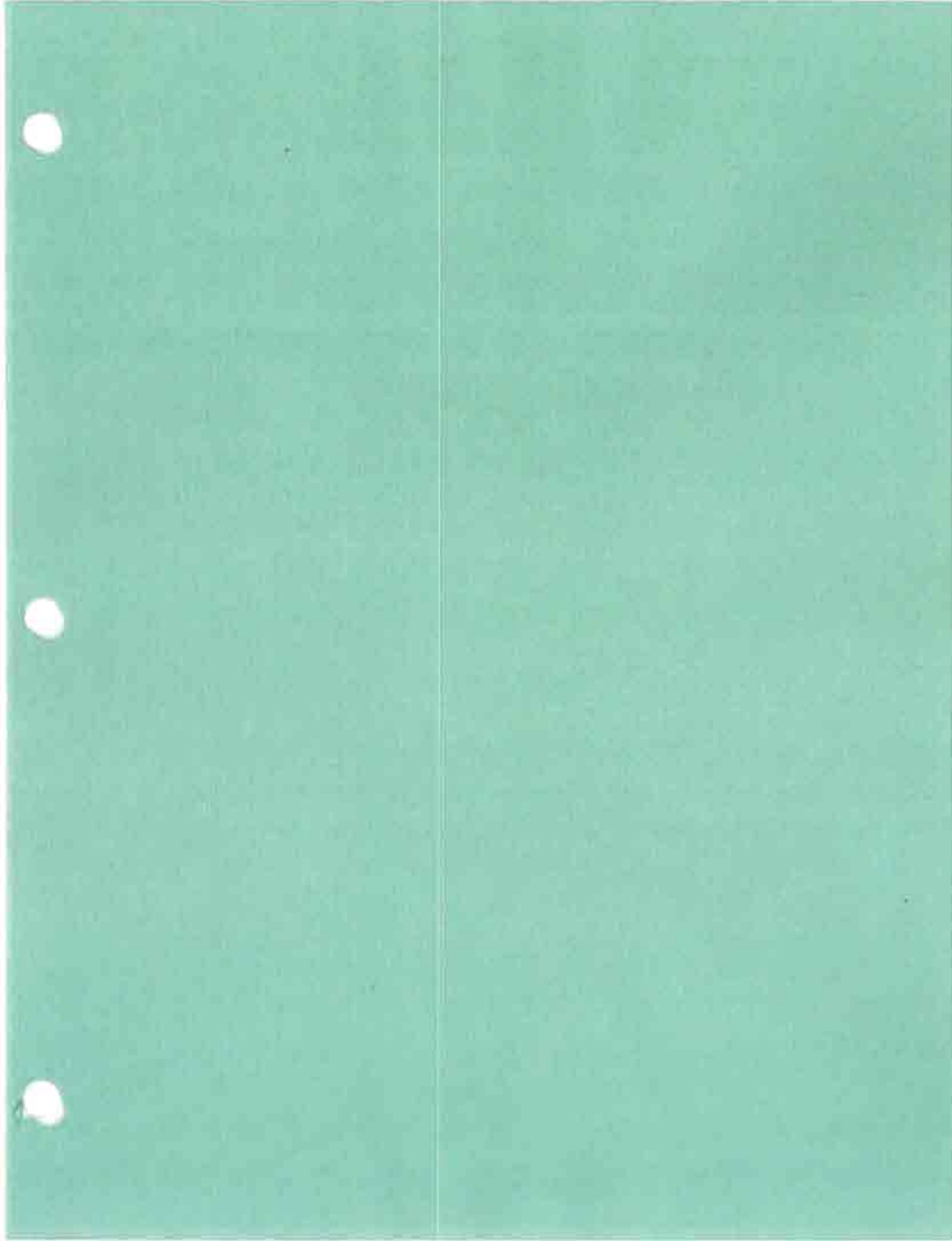
**Chevron Energy
Solutions Company**

October 2005



Volume 2 of 2

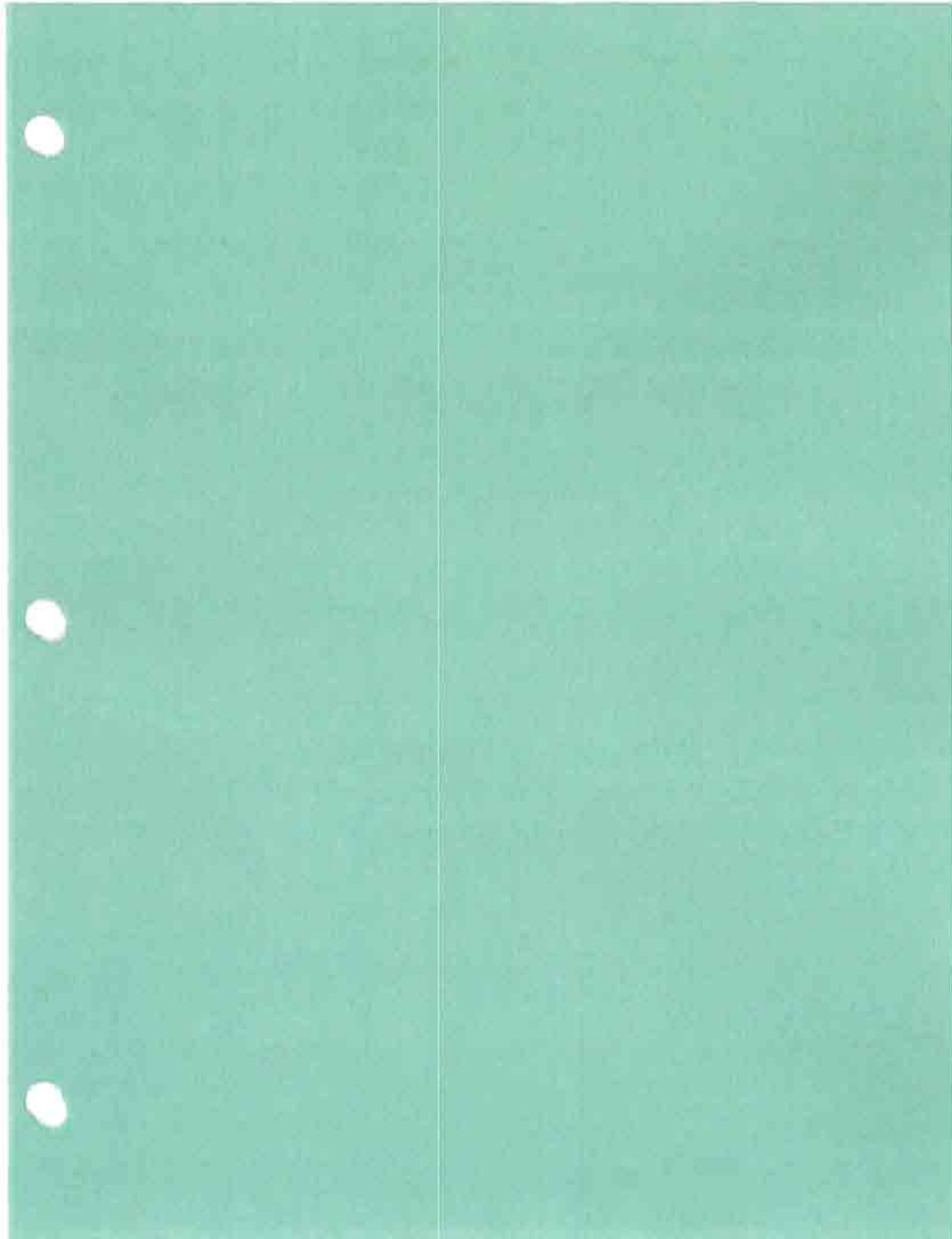
1	ECM 1: Lighting Energy Efficiency Upgrades
2	ECM 2: Water Conservation Measures
3	ECM 2a: Water Conservation Measures w/Waterless Urinals
4	ECM 3: Install New/Upgrade Energy Management System
5	ECM 4: Install Programmable Thermostats
6	ECM 5: Replace the Existing Chillers and Cooling Tower
7	ECM 6: Replace the Existing Natural Gas Fired Boilers
8	ECM 7: Install a New VFD on the Existing Exhaust Fan
9	ECM 8: Install a New VFD on Existing Vane Axial Fan
10	ECM 10: Install an A/C Unit to Serve Computer Equipment Room
11	ECM 12: Install Water Softener
12	ECM 13: Install Waterside Economizer
13	ECM 16: Irrigation Control System Upgrade
14	ECM 17: Programmable Flush Controls
15	ECM 18: Water Reclaim
16	ECM 19: Laundry Conservation
17	ECM 20: Replace DHW HX with a New DHW Heater
18	ECM 21: Change Natural Gas Utility Provider
19	ECM 23: Energy Resource Conservation Manager
20	ECM 24: Replace Cooling Tower
21	ECM 25: Retro-Commissioning
22	ECM 26: Replace Modulines, Install VAV Boxes, Diffusers, Controls
23	
24	
25	
26	
27	
28	
29	
30	
31	



ECM 1 – Lighting Energy Efficiency Upgrades (General for all buildings.)

Details of Lighting Survey and Savings can be found in Appendix A, located in Volume 1 of 3 of this Comprehensive Energy Analysis.

- IES recommended luminance levels are met in all areas as foot candle readings were taken in most areas during the survey. Areas that are under lit will have light levels raised to IES standards.
- Fixture watt data taken from manufacturers' literature.
- Diversity factors applied to saving.
- IES Standards will be met in all rooms. Light level readings will be taken after construction.
- A standard safety factor is applied to all savings calculations. For lighting this factor ranges from .9 to .95.
- For all buildings with natural gas heat, the kWh saved per year shall be multiplied by 0.01004 to arrive at the heating penalty in therms of natural gas.
- No air conditioning credit is currently calculated.



ECM 2 – Water Conservation Measures

Modeling the Water Usage.

General:

Domestic Water usage for each building was modeled using population figures, both staff and visitors, occupancy schedules, fixture usage rates as determined in the survey and average estimates of fixture usage. The model is then compared to the metered usage and reasonable adjustments to the model are made to reflect the metered usage. In general, the fixture rates were adjusted to bring the model rates safely below the metered rates. After matching the water model to the building use, various water conservation scenarios were applied to the model to analyze potential savings.

The water usage is determined by:

$$(\text{Number of People}) \times (\text{Fixture Rate}) \times (\text{Uses per Day}) \times (\text{Days Occupied per Year})$$

Visitor populations were also included. Visitation period was assumed to be for .5 hours for the Admin 1 A/D Works buildings and 2 hours for the Court Houses, the detention center and Altura Plaza, and then the population was normalized to an 8 hr day and added to the given population figure using the following formula:

$$(\text{Number of Hours Visitation}) \div (8 \text{ hours}) \times (\text{Visitors/Day}) = \text{Normalized Visitor Population}$$

Fixture use rates:

There were some adjustments made to the fixture rates to bring the modeled usage in line with the metered data. Some of the adjustments were downward (lower GPF). Some were adjusted upward; this is justified as long as all water is accounted for. Maladjusted flush valves and leaking tank valves can account for significant losses. Also, where there was a mix of fixtures, a weighted average was applied to the model, which also lowered the modeled fixture rate.

The following table illustrates the uses per day per person used in the models.

Uses per day	Inmates		Staff		Visitors		Units
	Male	Female	Male	Female	Male	Female	
Toilet	5	5	1	4	1	4	Flushes
Urinal	0	0	3	0	3	0	Flushes
Lav Faucet	1	1	0.7	0.7	0.7	0.7	Minutes
Shower (M F)		10	0	0	0	0	Minutes

*Based on: "A Water Conservation Guide for Commercial Institutional and Industrial Users", Water Use and Conservation Bureau, New Mexico Office of the State Engineer.

Schedules are considered only to the extent that the days that the buildings are open and the building are populated.

Schedules:

	Office (staff and visitors)	Detention Center
Work days	250	365
Holidays	-10	0
Vacation	-14	0
Total	226	365

Population assumptions are listed below:

	Population (1)	Visitors / day (2)	Quantity of toilets
Administration #1	358	1000*	44
Arapahoe Plaza (A/D works)	60	100	11
Arapahoe Plaza (Human Services)	90	500	19
Arapahoe Plaza (County Court)	30	500	19
CSU Extension Office	16	0 (3)	4
CSU Ware House	0		1
Federal Blvd Warehouse	15	15	10
Tri County Health	NA	NA	8
Administration #2	250	100	32
ACJC District Court	109	1500	79
P.J. Sullivan Detention Center	195	163	71
P.J. Sullivan Detention Center (Comby)	1215	0	413
County Shops:	35	0	6
Altura Plaza	145	1600	55
Total			772

- (1) Population figures are as given by the Maintenance Staff.
- (2) Visitor figures as per Arapahoe County Staff.
- (3) There are no public bathroom facilities.

In considering water conservation measures, the following principles apply.

Permanence: The measures must be durable. Tank toilets should be pressure-assisted models. Tanks with flapper controls are prone to phantom leaks that go undetected and unreported, wasting many gallons before they are repaired.

Reliability: The completed toilet replacement measures should work as intended, with adequate flows and volumes to remove waste and stay clean. It is possible to install ultra low flush equipment on existing china, but the resulting system will not function properly resulting in double flushing to remove waste, negating any savings. The china must be replaced in order to achieve the full performance of the system.

Durability: The fixtures should be of a quality to hold up to the level of usage required.

Standardization: The equipment installed should be of one make to simplify procurement of parts and maintenance requirements.

In addition to replacing the toilets, faucet aerators should be inspected and replaced where they are missing or exhibiting excessive flow. Most of the faucets were in good shape with low flows or metering handles with only a few faucets running greater than 2 GPM.

Arapahoe County Domestic Water
ACJC Detention Center

Assumptions		Energy Inputs	Billing units	\$/unit
Staff Population	195	DHW heating source	NG	\$0.5300
Pop Ratio Female	60.00%	Fuel conversion source	GG	\$0.6560
Visitor Population		Nat. Gas System Efficiency		82.00%
Pop Ratio Female				
Inmate Population				
Pop Ratio Female				
Population Inmate				
Staff Absentee rate	0.00%			
Visitors/day	163			
Visitor ratio Female	0.8			
Length of stay(hours)	1.2			
Days/year	365			
Site Type (Res Comm)	res			
Common Laundry?	no			
Quantity of Machines	6			
Quantity of Apt Units	88			
Laundry Population	0			
non resident factor	0.01			
Water Temperature				
Street	54			
DHW supply	130			
DHW Efficiency	0.7			
Laundry				
Cycle/person/day	0			
Gallons/load Pre	37.5			
Gallons/load Post	25			
Ice Machine Calc.				
Lbs/ Day	300			
Lbs/Year	109500			
Gallons / year	13145.3			
Gallons of water/100 lbs of ice procees waste	4			
Process waste	4380			
Storage waste / day	24			
Est. Storage Waste	8760			
Number of Ice Machines	2			
Total Storage Waste	17520			
Total Ice Machine Usage (Gallons)	35045			

**Arapahoe County Domestic Water
ACJC Detention Center**

556.162

	GPP	Quantity	Weighted Average
Total	16	0	3.50
Total	3.5	71	
Combr	16	30	3.83
Combr	4	385	
Unrel	1	0	2.00
Unrel	2	22	

Immature pods ZAS	
Population:	400
Immature: Wt	80
Immature: Mor	320
Immature: Yld	400
Aberr	0.00%
Pod ratio	0.2
	0.8

Population	1985	Pop Ratio
Indonesian Women	163	0.2
Indonesian Men	582	0.8
Indonesian Total	915	
Absent		0.00%

Shift	Prod/Unit	Staff	Pop Ratio
Production	117	0.6	
Staff Women	78	0.4	
Staff Men	195		
Staff Total		0.04%	
Absent			
Visitors			
Length of stay	8 hour day	15%	1.20

Visitors: Total per day	183
Visitors: Women conv to prison days	20
Visitors: Men conv to prison days	5
	0.8
	0.2

[illegible][illegible][illegible]

Typical Range	Admin 1	Benchmarks
25-36	170	Total Usage / SF
		Usage/SF - less irrigation

Sanitary Water Use Summary	Gallons	Cost / person / day	Cost / SF / Year
Personal Usage Pool	21,071,923	\$3	\$3
Personal Usage Pool	18,250,840	\$3	\$3
Shower Usage Pool	1,530,550	\$19	\$19
Shower Usage Pool	1,607,510	\$24	\$24
Wrestler Usage Pool	190,087	\$75	\$3
Wrestler Usage Pool	93,853	\$31	\$1
Total Usage Pool	22,956,500	\$65	\$65
Personal Usage Pool	19,016,332	\$3	\$3
Shower Usage Pool	9,866,266	\$19	\$19
Wrestler Usage Pool	5,113,075	\$2872	
Wrestler Usage Pool	5,423,632	\$2815	
Wrestler Usage Pool	883,243	\$458	
Sanitary Water	1.6%		

	(Mmbtu)	Therms	kWh
Energy Pro (Mmbtu)	5,156	51,359	1,522,368
Energy Prod (Mmbtu)	5,077	50,774	1,487,661
Energy Savings	119	1,185	34,727
% Savings (Hot Water)	2.3%		

Arapohoe County Domestic Water
ACJC Detention Center

APSE Data Book Chapter 4 `1989

Kitchen	
Water Use single seat	0.7 /meal
Water Use Full Service	1.5

Number of Inmates	1,215
Number of Meals /inmate / day	2.2
Number of Meals / day	2,625
Gallons/meal	1.5

Gallons/day	3,938
Gallons/year	1,437,188

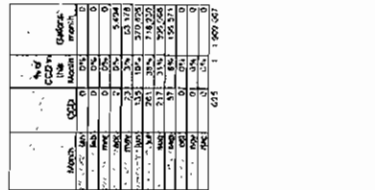
Hobart LX	
Gals/rack	1.2
Cycles/day	30
Cycles/year	10,950
Gals/year	13,140

Stero Tray Washer	

0079

And, mean

Ben Thomas

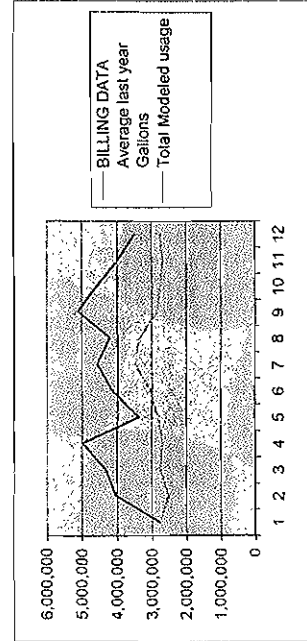


Arapahoe County Domestic Water
ACJC Detention Center

Water Sewer
Differential Differential

BILLING DATA	Average last year Gallons	Staff days per month	Visitors days per month	Population days	Sanitary Water Use Model	Balance	Gallons Saved	Water			Sewer		
								Dollars Saved	Dollars Saved	Dollars Saved	Dollars Saved	Dollars Saved	Dollars Saved
Jan	2,756,486	31	31	6,820	2,428,919	327,567	814,173	\$3,542	\$2,833	\$6,375	13%		
Feb	4,021,000	28	28	6,160	2,193,862	1,827,138	735,382	\$3,199	\$2,559	\$5,758	83%		
Mar	4,314,714	31	31	6,820	2,428,919	1,885,795	814,173	\$3,542	\$2,833	\$6,375	78%		
Apr	4,884,286	30	30	6,600	2,350,567	2,633,719	787,909	\$3,427	\$2,742	\$6,169	112%		
May	3,868,529	31	31	6,820	2,428,919	939,610	814,173	\$3,542	\$2,833	\$6,375	39%		
June	4,151,471	30	30	6,600	2,350,567	1,800,904	787,909	\$3,427	\$2,742	\$6,169	77%		
Jul	4,564,677	31	31	6,820	2,428,919	2,135,758	814,173	\$3,542	\$2,833	\$6,375	88%		
Aug	4,210,161	31	31	6,820	2,428,919	1,751,242	814,173	\$3,542	\$2,833	\$6,375	73%		
Sep	5,095,161	30	30	6,600	2,350,567	2,744,584	787,909	\$3,427	\$2,742	\$6,169	117%		
Oct	4,572,727	31	31	6,820	2,428,919	2,143,808	814,173	\$3,542	\$2,833	\$6,375	88%		
Nov	3,977,273	30	30	6,600	2,350,567	1,626,706	787,909	\$3,427	\$2,742	\$6,169	69%		
Dec	3,475,000	31	31	6,820	2,428,919	1,046,081	814,173	\$3,542	\$2,833	\$6,375	43%		
	49,491,485	365		80,300	28,598,560	20,892,925	9,586,227	41,700	\$39,360	\$75,060			
						28,598,560							19%

Non Sanitary Use	Icals	Ice machine	Evaporative coolers	Laundry	Kitchen	Irrigation	Total	Balance	Total Modeled usage	Modeled to billing ratio
Jan	327,567	2,920	2,920	197,731	120,861	0	321,513	6,055	2,750,431	0%
Feb	1,827,138	1,827	2,920	197,731	120,861	0	321,513	1,505,625	2,515,375	37%
Mar	1,885,795	1,886	2,920	197,731	120,861	0	321,513	1,584,283	2,750,431	36%
Apr	2,633,719	2,634	2,920	5,494	197,731	4,707	327,006	2,306,713	2,677,573	46%
May	939,610	940	2,920	63,178	197,731	8,015	384,690	554,920	2,813,609	16%
June	1,800,904	1,801	2,920	370,826	197,731	8,237	692,338	1,108,566	3,042,905	27%
Jul	2,135,758	2,136	2,920	716,930	197,731	9,253	1,036,443	1,097,316	3,467,361	24%
Aug	1,781,242	1,781	2,920	595,068	197,731	5,553	917,581	863,661	3,346,500	21%
Sep	2,744,584	2,745	2,920	156,571	197,731	4,190	478,083	2,866,511	2,828,650	44%
Oct	2,143,808	2,144	2,920	156,571	197,731	4,033	321,513	1,822,296	2,750,431	40%
Nov	1,626,706	1,627	2,920	0	197,731	0	321,513	1,305,194	2,672,079	33%
Dec	1,046,081	1,046	2,920	0	197,731	0	321,513	724,569	2,750,431	21%
	20,892,925	20,893	35,045	1,909,067	1,581,852	966,885	39,282	4,513,741	34,366,776	31%



Arapahoe County Domestic Water
ACJC Detention Center

Code	Units
1	Gal
2	Kgal
3	CF
4	CCF
5	MCF
2	<<< enter unit code

Water Rate	Sewer Rate
< 25,000 gal	\$0.00232
25,000 - 200,000	\$0.00290
> 200,000	\$0.00348
Minimum Usage	144,000 gals
Storm water fee	\$15.30
FireLineCharge	\$1,142.04
Capital Fund	\$317.50

Water	Differential	Sewer	Differential
Kgal	\$0.00073	\$0.00058	\$0.00522
Kgal	\$0.00145	\$0.00116	\$0.00653
Kgal			\$0.00783

Read Date	Month	Kgal/day	Usage	Gallons	Billing Days	Water Charges	Sewer Charges	Total Charges	Total Charges	\$/gal Water charge	\$/gal Sewer charge	\$/gallon Total	\$/gallon Total
1/31/2004	Jan	110	2,756	2,756.486	25	\$11,847	\$9,477	\$21,324	\$7,804	\$0.00430	0.0034379	0.0077357	0.0154714
2/25/2004	Feb	134	4,021	4,021.000	30	\$17,347	\$13,877	\$31,224	\$6,771	\$0.00431	0.0034512	0.0077653	0.0155307
3/25/2004	Mar	123	4,315	4,314.714	35	\$18,625	\$14,899	\$33,524	\$8,368	\$0.00432	0.0034531	0.0077787	0.0155395
4/30/2004	Apr	185	4,984	4,984.286	27	\$21,538	\$17,229	\$38,767		\$0.00432	0.0034567	0.0077778	0.0155557
5/27/2004	May	99	3,369	3,368.529	34	\$14,509	\$11,606	\$26,115		\$0.00431	0.0034456	0.0077528	0.0155056
6/30/2004	Jun	138	4,151	4,151.471	30	\$17,915	\$14,331	\$32,246		\$0.00432	0.0034521	0.0077674	0.0155347
7/30/2004	Jul	147	4,565	4,564.677	31	\$19,712	\$15,769	\$35,481		\$0.00432	0.0034546	0.0077730	0.0155461
8/30/2004	Aug	136	4,210	4,210.161	31	\$18,170	\$14,535	\$32,705	\$8,178	\$0.00432	0.0034524	0.0077682	0.0155365
9/30/2004	Sep	182	5,095	5,095.161	28	\$22,020	\$17,615	\$39,635		\$0.00432	0.0034572	0.0077790	0.0155579
10/28/2004	Oct	139	4,573	4,572.727	33	\$19,747	\$15,797	\$35,544		\$0.00432	0.0034546	0.0077731	0.0155463
11/30/2004	Nov	128	3,977	3,977.273	31	\$17,157	\$13,725	\$30,882	\$7,096	\$0.00431	0.0034508	0.0077646	0.0155293
12/31/2004	Dec	116	3,475	3,475.000	30	\$14,972	\$11,977	\$26,949	\$1,752	\$0.00431	0.0034466	0.0077562	0.0155104
1/30/2005	Jan												

2756486	2756.486
4021000	4021
4314714	4314.714
4984286	4984.286
3368529	3368.529
4151471	4151.471
4564677	4564.677
4210161	4210.161
5095161	5095.161
4572727	4572.727
3977273	3977.273
3475000	3475

