



**Efficiency Works**<sup>™</sup>  
Business



# **Efficiency Works Business**

## **New construction incentives**

Revised January 2021

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# Lighting incentives and conditions

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Measure	Criteria	Incentive
Lighting	<ul style="list-style-type: none"><li>• Lighting design must beat code by at least 10%</li><li>• LED fixtures must be DLC or ENERGY STAR rated</li></ul>	\$0.10 per annual kWh saved

## Additional requirements

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1. A major renovation (versus retrofit) includes at least three of the five criteria below:
  - a. The use of the space is changing (e.g. from warehouse to office).
  - b. The space being renovated has been or will be unoccupied for 30 days or more.
  - c. Existing light fixtures are being removed and a totally new lighting scheme with rewiring will result.
  - d. The project requires a construction permit.
  - e. First time install of electric operated equipment in which higher efficient models are available.
2. Information from your project's interior lighting COMCheck will be required. To qualify for rebates, the lighting design must beat code by at least 10%.
3. Exterior lighting is not eligible for incentives.
4. LED fixtures must be on the Design Lights Consortium Qualified Products List or Energy Star rated to qualify (provide a schedule of lighting fixtures).

## Cooling incentives and conditions

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Measure	Criteria	Incentive
Evaporative condensing	Pre-cools the air entering the condenser of a rooftop unit or air-cooled chiller with mist or an evaporative media. In the unlikely event that the evaporative equipment damages a condenser or part of a condenser and the condenser or part is less than 15 years old, the manufacturer shall replace the condenser or damaged part of the condenser AND pay for the cost of the study to determine the cause of failure.	\$100 per ton
Advanced evaporative cooling	Direct, Direct/Indirect, or Indirect evaporative coolers. Continuous water 'bleed' systems for sediment control DO NOT qualify. Must guarantee air quality against bacteria, mold, and etc. And must either include a maintenance plan or teach the operator the proper winterization, startup, and maintenance.	\$0.20 per cfm

## Additional requirements

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  - b. The space being renovated has been or will be unoccupied for 30 days or more.
  - c. Existing light fixtures are being removed and a totally new light scheme with rewiring as the result.
  - d. The project requires a construction permit.
  - e. First time install of electric operated equipment in which higher efficient models are available.

# Envelope incentives and conditions

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Measure	Criteria	Incentive
Windows <sup>3</sup>	$U \leq 0.30$ and $SHGC < 0.25$	\$1.50 per SF glass
	$U \leq 0.18$ and $SHGC \leq 0.22$	\$3.00 per SF glass
Roof insulation <sup>4</sup>	Insulation entirely above deck: R-35 c.i. Metal building: R-19 + R-13 Ls or R-25 + R-10 Ls Attic: R-49	\$0.16 per SF roof
Wall insulation <sup>4</sup>	Mass: R-20 c.i. Metal building: R-13 + R-18 c.i. Steel framed: R-13 + R-12 c.i. Wood framed: R-13 + R-8.5 c.i. or R-19 + R-6 c.i Assembly: $U \leq 0.05$	\$0.03 per SF wall

## Additional requirements

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  - b. The space being renovated has been or will be unoccupied for 30 days or more.
  - c. Existing light fixtures are being removed and a totally new light scheme with rewiring as the result.
  - d. The project requires a construction permit.
  - e. First time install of electric operated equipment in which higher efficient models are available.
2. Building must have air conditioning and/or electric heat to qualify.
3. Windows: Required U-values are for all window orientations. Required SHGCs are for windows within 45° of west, south, or east. Listed required performance criteria are for the entire window assembly (including frame), not just center-of-glass (COG) rating. Required performance criteria must be validated by inclusion within NFRC certified product database or validated by NFRC accredited laboratory or approved calculation entity.
4. Insulation: c.i. stands for continuous insulation (i.e. no thermal breaks such as studs, rafters, etc). Ls stands for Liner System. Product rating must be met or exceeded to qualify, no partial improvement can be applied. R-value is an average across total square footage being insulated. Overall assembly R-value (including existing insulation) may be accepted on a case-by-case basis (provide assembly R-value calculations).

# Food service incentives and conditions

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Measure		Criteria	Incentive
Ice machine		ENERGY STAR	\$200 per unit
Hot food holding cabinet ( $\geq 7$ ft <sup>3</sup> )		ENERGY STAR	\$600 per unit
Commercial refrigerator or freezer	< 19 ft <sup>3</sup>	ENERGY STAR	\$250 per unit
	19 - 30 ft <sup>3</sup>	ENERGY STAR	\$500 per unit
	31 - 60 ft <sup>3</sup>	ENERGY STAR	\$750 per unit
	61 - 90 ft <sup>3</sup>	ENERGY STAR	\$1,000 per unit
Electric steamer		ENERGY STAR	\$1,200 per unit
Electric fryer		ENERGY STAR	\$200 per unit
Electric griddle		ENERGY STAR	\$600 per unit
Electric combination oven		ENERGY STAR	\$1,200 per unit
Electric convection oven		ENERGY STAR	\$400 per unit
Demand control kitchen ventilation <sup>2</sup> (vent hood exhaust)		MAU also controlled	\$400 per hp
		MAU not controlled	\$200 per hp

## Additional requirements

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1. A major renovation (versus retrofit) includes at least three of the five criteria below:
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  - b. The space being renovated has been or will be unoccupied for 30 days or more.
  - c. Existing light fixtures are being removed and a totally new light scheme with rewiring as the result.
  - d. The project requires a construction permit.
  - e. First time install of electric operated equipment in which higher efficient models are available.
2. If DCKV is required by code, no incentive is available. If DCKV is not required, system shall reduce exhaust air flow in response to appliance operation (e.g. based on temperature and/or grease sensors). If the makeup air unit is also controlled, it shall reduce the supply of replacement air based on the reduction of exhaust air. Incentive is per controlled horsepower. So, instead of entering the number of controlled fans/motors, enter the total controlled horsepower.
3. For additional information on commercial kitchen efficiency options, including energy savings calculators, visit the Food Service Technology Center (FSTC) at [fishnick.com](http://fishnick.com)

# Grocery incentives and conditions

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Equipment upgrade	Incentive
<b>Reach-in coolers and freezers</b>	
Zero energy glass door <sup>2</sup>	\$125 per door
Low energy glass door <sup>3</sup>	\$75 per door
LED case lighting <sup>4</sup>	\$50 per lamp
Night covers (vertical or horizontal)	\$20 per ln ft case
<b>Walk-in coolers and freezers</b>	
Zero energy glass door <sup>2</sup>	\$50 per door
LED case lighting <sup>4</sup>	\$100 per lamp
Occupancy sensor for case lighting	\$8 per lamp
Smart defrost control (freezer only) <sup>5</sup>	\$200 per controller
Evaporator fan controls <sup>6</sup>	\$50 per fan motor
Outside air economizers <sup>7</sup>	\$1,250 per unit

## Additional requirements

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1. A major renovation (versus retrofit) includes at least three of the five criteria below:
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  - b. The space being renovated has been or will be unoccupied for 30 days or more.
  - c. Existing light fixtures are being removed and a totally new light scheme with rewiring as the result.
  - d. The project requires a construction permit.
  - e. First time install of electric operated equipment in which higher efficient models are available.
2. Triple-pane glass with either heat-reflective treated glass or gas fill and are equipped with no anti-sweat heaters. Anti-Sweat Heater Control rebate is not available with this rebate.
3. New glass doors with an amp draw of less than 0.39 amps per door.
4. LED fixture must be on the Design Lights Consortium (DLC) Qualified Product List (QPL) (savings assumed to be replacing a T8 case lighting).
5. Automated controls on a system with a condensing unit of 1.5 horsepower or greater. Controls should use temperature and pressure sensors to determine when to initiate an evaporator defrost cycle. Timers are not eligible.
6. Automated controls on an evaporator fan of 1/20 horsepower or greater. Must reduce evaporator fan runtime by at least 70% when the compressor is not running. Must automatically reduce fan speed when refrigerant is not flowing. NOTE: Savings may be significantly reduced in undersized systems.

7. For walk-in coolers or freezers that are 1,000 cubic feet or larger. Outdoor air and exhaust dampers must close automatically for summer isolation. Must be capable of using outdoor air of less than 34° F while maintaining the set point of the cooler. Provide dimensions of the walk-in with rebate application.



## Office and appliance incentives and conditions

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Equipment		Criteria	Incentive per unit
Desktop/ side computer		ENERGY STAR	\$12
Thin client (Fort Collins only)		ENERGY STAR	\$50
LED undercabinet fixture		ENERGY STAR	\$5
Advanced power strip <sup>2</sup>	Tier 1	Master/control device	\$7
	Tier 2	Motion or schedule	\$20
Vending machine controls		Occupancy or schedule	\$90
Clothes washer <sup>3</sup>	Residential	ENERGY STAR	\$25
	Commercial vended	ENERGY STAR	\$25
	Commercial non-vended	ENERGY STAR	\$25
Dishwasher, residential grade <sup>3</sup>		ENERGY STAR	\$25
Refrigerator, residential grade		ENERGY STAR	\$50
Ultra-low-temperature freezer (T < -94°F)		ENERGY STAR, MDEC < 0.42 kWh/day/ft <sup>3</sup>	\$450

## Additional requirements

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  - b. The space being renovated has been or will be unoccupied for 30 days or more.
  - c. Existing light fixtures are being removed and a totally new light scheme with rewiring as the result.
  - d. The project requires a construction permit.
  - e. First time install of electric operated equipment in which higher efficient models are available.
2. Verify surge protector is appropriate for equipment and appliances that will be plugged in and will protect at lower power surges.
3. Additional rebates may be available for Fort Collins Utilities water customers. See the New Construction Water incentive details for more information.

# Motor VFDs rebate incentives and conditions

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Motor capacity (hp)		Incentive (\$/hp)		
Min	Max	Fan	Pump	Compressor
1	5	\$120	\$120	\$120
7.5	10	\$100	\$100	\$100
15	20	\$85	\$85	\$85
25	30	\$75	\$75	\$75
40	50	\$65	\$65	\$65
60	75	\$55	\$55	\$55
75	+	Custom	Custom	Custom

## Additional requirements

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All projects must comply with local codes. All VFD projects require preapproval.

1. A major renovation (versus retrofit) includes at least three of the five criteria below:
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  - b. The space being renovated has been or will be unoccupied for 30 days or more.
  - c. Existing light fixtures are being removed and a totally new light scheme with rewiring as the result.
  - d. The project requires a construction permit.
  - e. First time install of electric operated equipment in which higher efficient models are available.
2. Incentives are not available for VFDs required by building code (IECC 2018 and/or ASHRAE 90.1-2016).
3. Incentives are not available for VFDs on supply air fans for unitary cooling equipment (i.e. rooftop units/RTUs).
4. Incentives are not available for VFDs on redundant or standby motors.
5. Incentives for motors greater than 75 hp must use the custom program.
6. Customer acknowledges that he or she has been made aware of the potential for VFDs to cause harmonic distortion on the facility's electric distribution system and that harmonic distortion can sometimes negatively impact the operation of sensitive electric equipment interconnected with the distribution system.

## Water incentives and conditions (Fort Collins Utilities water customers only)

Equipment <sup>2</sup>	Criteria	Incentive per unit
Ice machine	ENERGY STAR	\$100
Electric steamer	ENERGY STAR	\$750
Residential clothes washer	ENERGY STAR	\$50
Commercial clothes washer vended	ENERGY STAR	\$250
Commercial clothes washer non-vended	ENERGY STAR	\$125
Dishwasher, Electric Heating, Door Type, High Temp	ENERGY STAR	\$1,000
Dishwasher, Electric Heating, Door Type, Low Temp	ENERGY STAR	\$500
Dishwasher, Electric Heating, Multi Tank Conveyor, High Temp	ENERGY STAR	\$2,000
Dishwasher, Electric Heating, Multi Tank Conveyor, Low Temp	ENERGY STAR	\$1,000
Dishwasher, Electric Heating, Single Tank Conveyor, High Temp	ENERGY STAR	\$1,500
Dishwasher, Electric Heating, Single Tank Conveyor, Low Temp	ENERGY STAR	\$500
Dishwasher, Electric Heating, Under Counter, High Temp	ENERGY STAR	\$500
Dishwasher, Electric Heating, Under Counter, Low Temp	ENERGY STAR	\$300
Dishwasher, Natural Gas Heating, Door Type, High Temp	ENERGY STAR	\$1,000
Dishwasher, Natural Gas Heating, Door Type, Low Temp	ENERGY STAR	\$500
Dishwasher, Natural Gas Heating, Multi Tank Conveyor, High Temp	ENERGY STAR	\$2,000
Dishwasher, Natural Gas Heating, Multi Tank Conveyor, Low Temp	ENERGY STAR	\$1,000
Dishwasher, Natural Gas Heating, Single Tank Conveyor, High Temp	ENERGY STAR	\$1,000
Dishwasher, Natural Gas Heating, Single Tank Conveyor, Low Temp	ENERGY STAR	\$500
Dishwasher, Natural Gas Heating, Under Counter, High Temp	ENERGY STAR	\$500
Dishwasher, Natural Gas Heating, Under Counter, Low Temp	ENERGY STAR	\$250
Tank toilet ≤ 1.1 GPF	WaterSense	\$75
Flushvalve toilet ≤ 1.28 GPF	WaterSense	\$100
Urinal ≤ 0.125 GPF	WaterSense	\$100
Waterless urinal	See approved models below	\$100
Showerhead ≤ 1.5 GPM	WaterSense	\$10
Free sink aerators and pre-rinse spray valves are available from Fort Collins Utilities (970-416-2877)		
Contact Eric Olson for irrigation equipment rebates (970-221-6704, eolson@fcgov.com)		

## Additional requirements

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  - b. The space being renovated has been or will be unoccupied for 30 days or more.
  - c. Existing light fixtures are being removed and a totally new light scheme with rewiring as the result.
  - d. The project requires a construction permit.
  - e. First time install of electric operated equipment in which higher efficient models are available.
2. Rebates are available for NEW equipment only. Used or refurbished equipment does not qualify.
3. For additional information on water efficiency options, visit WaterSense at [www.epa.gov/watersense](http://www.epa.gov/watersense)
4. List of approved waterless urinals below:

Caroma 678500

Duravit 84436

Ecotech Water ETEU100

Falcon F-1000

Falcon F-2000

Falcon F-3000

Falcon F-4000

Falcon F-5000

Falcon F-9000SS

Kohler K-4917

Kohler K-4918

Kohler K-4919

Sloan WES-1000

Sloan WES-2000

Sloan WES-3000

Sloan WES-4000

Sloan WES-5000

Waterless 2003/2003B

Waterless 2004/2004B

Waterless 2101

Waterless 2102

Waterless 2103

Waterless 2901

Waterless 2902

Zero Flush ZF-101

Zero Flush ZF-102

Zero Flush ZF-103

Zurn Z5795

Zurn Z5796

## Custom incentives and conditions

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Category	Incentive	Criteria
Energy	\$0.10 per kWh per year saved	Must save a minimum of 1,000 kWh/year
Demand	\$500 per kW saved	During summer peak period (weekdays, June-August, 3pm-6pm), discounted for equipment duty cycles and any other factor reducing consistent coincident peak demand savings.
Water	\$10 per 1,000 gallons per year saved	Fort Collins Utilities water customers only

## Additional requirements

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The custom rebate is the greater of the energy, demand, and water rebate. Caps are 75% of project cost and a one year simple payback (whichever is less). Projects may not qualify if the simple payback is greater than 15 years or longer than the product's expected life.