

BUCKS FOR BUSINESS REBATES ARE AVAILABLE FOR:

- **ALTERNATIVE COOLING SYSTEMS** – Kick the cooling tower and receive up to \$100,000 for alternative cooling systems that do not use water or use significantly less water than traditional cooling towers. Includes, but is not limited to, hybrid systems, fluid refrigerant systems, dry or air-cooled systems, and geothermal systems.
- **COOLING TOWERS UTILIZING RECLAIMED WATER** – Receive up to \$100,000 for water treatment, filtration, and other systems for reclaimed water (treated municipal wastewater) used in cooling towers. Includes water softeners, sulfuric acid, ozonation, side stream filtration using rapid sand, cartridge, or cyclonic filters that help remove solids
- **INCREASED COOLING TOWER EFFICIENCY**
 - **\$1,000 for an overflow alarm** (*for cooling towers installed prior to January 1, 2008*) - In only three months, a 2 gallon per minute overflow can result in 259,200 gallons of water loss and \$3,650 in water costs. Replacing a malfunctioning ballcock style (float on a rod) fill valve with a solenoid operated valve using an external level sensor to prevent overflows has a payback period of less than six months.
 - **\$1,100 for an automated cooling tower conductivity controller** (*for cooling towers installed prior to January 1, 2008*) - Savings of up to 800,000 gallons and up to 40% in water costs a year, depending on current cycles, cooling size/capacity and load.
 - **Up to \$100,000 for water treatment, filtration, or other systems to increase cycles of concentration above five cycles** - Includes water softeners, sulfuric acid, ozonation, side stream filtration using rapid sand, cartridge, or cyclonic filters that help remove solids.
 - **Up to \$100,000 for alternative water systems for cooling tower make-up** (*for cooling towers installed prior to September 6, 2017*) - Includes projects to recover and use on-site alternative water sources such as air conditioning condensate and manufacturing process water.

To qualify for incentive opportunities, Austin Water must have received a fully complete registration and inspection form for each cooling tower(s).

HOW MUCH WATER CAN I SAVE FROM INCREASING CYCLES OF CONCENTRATION?

Percentage Water Savings from Increasing Cycles of Concentration

Starting Number of Cycles	New Number of Cycles											
	2	3	4	5	6	7	8	9	10	12	15	20
1.5	33	50	56	58	60	61	62	63	63	64	64	65
2		25	33	38	40	42	43	44	44	45	46	47
3			11	17	20	22	24	25	25	27	29	30
4				6	10	13	14	16	17	18	20	21
5					4	7	9	10	11	13	14	16
6						3	5	6	7	9	11	12
7							2	4	5	6	8	10
8								2	3	5	6	8
9										3	5	6
10										2	4	5
12											2	4
15												2

ARE THERE OTHER BENEFITS TO IMPROVING MY COOLING TOWER’S WATER EFFICIENCY?

- Helps meet eligibility requirements for Austin Water’s Evaporative Loss Program. This program can reduce monthly wastewater bills for evaporated water from cooling towers that is not returned to the wastewater system. For more information, call the Consumer Services Division at (512) 972-0000 ext. 4.
- Helps existing buildings qualify for up to two points toward LEED certification. Installing submeters on cooling towers and continuously metering water used for cooling towers with data logging can qualify for more LEED points.

RESOURCES

[Cooling Tower Efficiency Program](#)

[Cooling Towers and Evaporative Loss](#)

[Reclaimed Water](#)

[Onsite Water Reuse Systems](#)

CASE STUDIES

[Case Study: Austin Central Library](#)

[Cooling Tower Efficiency Using Treated Wastewater – BAE Integrated Vision Solutions](#)

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