



City of Boulder Utility Billing  
Efficiency Standard Recommendation Form



**Commercial/Industrial/Institutional (CII) Customers Only**  
**To be completed by Professional Engineer.**  
**Attach to Water Budget Adjustment Request Form.**

Customer Number (located on the top of your bill): \_\_\_\_\_

Account Number (located on the top of your bill): \_\_\_\_\_

Name of Applicant: \_\_\_\_\_

Water Service Address: \_\_\_\_\_

E-mail Address: \_\_\_\_\_ Phone: \_\_\_\_\_

**Please attach a Professional Engineer’s report and provide recommended indoor water budget allocation (in thousands of gallons) by month below. If applicable, outdoor allocation will be based on irrigable area.**

Please see additional information on this form for more detailed information on this efficiency standard option.

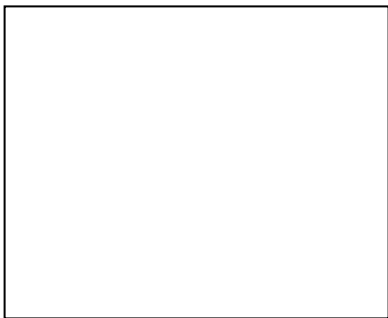
- January \_\_\_\_\_
- February \_\_\_\_\_
- March \_\_\_\_\_
- April \_\_\_\_\_
- May \_\_\_\_\_
- June \_\_\_\_\_
- July \_\_\_\_\_
- August \_\_\_\_\_
- September \_\_\_\_\_
- October \_\_\_\_\_
- November \_\_\_\_\_
- December \_\_\_\_\_

Irrigable Area Square Feet: \_\_\_\_\_

Please read the back of this form before checking the following:

\_\_\_ I certify that to the best of my knowledge the above information is true.

Signature of Professional Engineer: \_\_\_\_\_



**Official Seal and Date**

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

**Submit TWO ORIGINAL APPLICATIONS and \$131.00 FEE:**

|                                 |                   |          |
|---------------------------------|-------------------|----------|
| <b>In Person</b>                | <b>Questions:</b> | <b>I</b> |
| Planning & Development Services | 303-441-1880      |          |
| 1739 Broadway, third floor      |                   |          |
| Boulder, CO 80303               |                   |          |

## **Standards and Practices Regarding Water Audits for CII Customers That Request the Efficiency Standard Water Budget Option.**

The CII efficiency standard water budget option is intended to provide a customer-specific water budget (indoor allocation and outdoor allocation) that is determined by a specific review of the customer's indoor and outdoor uses, needs and facilities, with a focus on various components, including without limitation:

- industrial or production processes,
- kitchen and food preparation areas,
- humidity control, and
- bathroom and locker rooms,
- cooling and heating facilities
- aquatics or pool needs.

The purpose of the customer-specific review is to develop a monthly indoor water allocation based on reasonable and documented efficiency standards and, if needed, a monthly outdoor allocation. If a customer has any irrigable area that is not included in a separate metered irrigation-only account, the irrigable area size should be included for use in the CII Efficiency Standard option. The monthly outdoor allocation shall be based on the irrigable area (including public ROW), an application rate of 15 GPSF and apportioned monthly using the historical monthly ET rate. Because plant materials, irrigation systems components, weather, soil conditions, etc, are not needed in determining the outdoor allocation, it is not necessary to have a landscape architect or a certified landscape irrigation auditor involved in the audit unless there is an indoor garden or horticulture need.

The indoor water audit and evaluation shall consider the following, if applicable:

- The City is a partner with the EPA WaterSense program and information is available on the EPA WaterSense web site. Standards related to high-efficiency plumbing fixtures will be used for the audit. For example, while a 1.6 gallon/flush toilet is today's regulated standard, a high-efficiency toilet, as promoted by WaterSense, uses 1.28 gallon/flush or less and should be used in the audit and development of the indoor budget allocation.
- Data for high-efficient, front loading clothes washers.
- Recycle and reuse process water.
- Limited or no humidification: requires documented need for equipment or medical reasons.
- Use of automatic on/off sensors on faucets in restrooms in larger facilities.
- High-efficiency dishwashers in kitchen areas, especially in restaurants and catering facilities.
- Use of a cover in facilities that have large, open vessels of water.
- Efficient operation of cooling towers.
- Sanitation and cleaning practices in office buildings. Use of high-efficient plumbing fixtures and appliances. Use of sensor activated or timed faucets.
- Use of plumbing fixtures, dishwashers and ice machines in restaurants. Servers offering a glass of water on request, but not as an automatic service. Use sensor activated or timed faucets. Reduce water in food preparation activities.
- Efficiencies for cooling water, food preparation, boilers and chillers in supermarkets.
- Plumbing fixtures, laundry facilities and ice machines in hotels and motels. Request guests to reuse their towels and linens to reduce laundry needs.
- Efficiencies in cafeteria food preparation, plumbing fixtures, restrooms and locker rooms in schools.

The report shall include a recommendation for each month's indoor water budget allocation, based on the audit and evaluation. In addition, effective June 1, 2008, the wastewater charge for a customer who uses the CII efficiency standard water budget option will be based on each accounts indoor water budget allocation or actual water used, whichever is lower, for the billing period. If an account does not have an outdoor water budget allocation, wastewater charges will be based on actual water used as measured by the water meter.

Requests by CII customers for a water budget adjustment application requesting use of the efficiency standard water budget option, shall include a report prepared by a Colorado registered professional engineer which documents and describes the evaluation and audit, including a recommendation for the CII efficiency standard monthly water budget. The city manager will review and approve, revise or deny the water budget adjustment request prior to its implementation and use. **Please submit 2 original completed forms to Planning & Development Services, Park Central Building, 1739 Broadway, third floor, Boulder, CO 80302. A \$131.00 fee (1 hour minimum) will be charged in advance to review the CII efficiency standard water budget option request and its associated report pursuant to Section 4-20-43(c)(7) B.R.C. 1981, which establishes a technical document review fee for a miscellaneous plan review.**