



Water

Introduction

Water is a critical resource for community health and well-being. Because of the artificially low pricing for water, it can be challenging to get this program prioritized. However, water conservation remains a vital part of a strong environmental stewardship program. Tracking and measuring the amount of direct water used is the first step a hospital should take to begin its water management and minimization program.

Water Use Demographics

Practice Greenhealth introduced its **Less Water Goal** in 2016. See the **Less Water Toolkit** for more information and guidance on water reduction strategies.

Water Usage

Please indicate the facility's water usage for the Current Year (2019) in Table A below.

Table A. Total Water Consumption

| Table A. Water Consumption | Current Year | Units |
|----------------------------|----------------------------|--|
| Gross Floor Area | 1. <input type="text"/> | Square Feet |
| Cleanable Area | 2. <input type="text"/> | Square Feet |
| Annual Water Consumption | 3. <input type="text"/> | 4. <input type="text" value="Select an option..."/> |

5. Your Current Year **total annual water consumption** (in US gallons) is:

If this number is zero, please check that you have selected units in the table above.

6. Was irrigation water included as part of overall water consumption in Table A above?

- ☐ Yes
☒ No

Practice Greenhealth asks that facilities include irrigation water in the totals above. Irrigation water will be broken out separately below for calculation of more precise water use metrics.

6.a Please add irrigation water into totals in Table A if you can. Otherwise, please explain barriers to providing this data:

7. Please provide the Annual Costs (\$) for Current Year Water Consumption:

8. Is the facility actively working to reduce water use, in alignment with Practice Greenhealth's **Less Water Goal**?

- ☐ Yes
☐ No

9. Has the facility set **measurable goals** for the reduction of water use?

- ☒ Yes
☐ No

9.a What is the facility's water reduction goal?

10. Does your facility irrigate any landscape areas?

- ☒ Yes
☐ No

10.a Please provide the **Irrigated Area** for the hospital campus (in square feet):

There are 43,560 square feet in an acre. To convert acres to square feet, multiply acres by 43,560.

10.b Does your facility **separately meter irrigation water** versus other water used for the facility?

- ☒ Yes
☐ No

10.b.a Please indicate the **gallons** of water used for **irrigation** in 2019 (actual):

10.b.c Based on the data above, the facility's (actual) indoor water use for 2019 is:

10.c Based on the data above, the facility's **Irrigation Water Use** for 2019 is:

This number will be used for calculation of Gallons of Water Use per Irrigated Square Foot.

10.d The facility's metric for **Gallons of Water Use per Irrigated Square Foot** is:

10.e The facility's **Indoor Water Use** for 2019 is:

This number will be used for calculation of Indoor Water Use Metrics in Table C.

Based on the data above, your facility's normalized **water use metrics** for Indoor Water Use are presented in Table C. below.

Table C. Indoor Water Use Metrics

| | | |
|--|--|--|
| <p>14. Indoor Gallons per Square Foot (The 2019 median was 41.2 gal/ sq foot; values generally ranged from 20 to 90)</p> <input type="text"/> | <p>15. Indoor Gallons per Cleanable Square Foot (The 2019 median was 49.3 gal/cleanable sq ft; values generally ranged from 20 to 110)</p> <input type="text"/> | <p>16. Indoor Gallons per FTE (The 2019 median was 14,330 gal/FTE; values generally ranged from 5,000 to 40,000)</p> <input type="text"/> |
|--|--|--|

Given the data you provided in Table A, your facility's normalized **water use metrics** for Total Water Use are presented in Table B1 below.

Table B2 highlights the facility's normalized **water use reduction metrics**.

Table B1. Total Water Use Metrics

| | | |
|--|--|---|
| <p>11. Total Gallons per Square Foot (The 2019 median value was 44.4; values generally ranged from 15 to 100):</p> <input type="text"/> | <p>12. Total Gallons per Cleanable Square Foot (The 2019 median value was 53.7; values generally ranged from 15 to 150):</p> <input type="text"/> | <p>13. Total Gallons per FTE (The 2019 median value was 15,831; values generally ranged from 5,400 to 40,000)</p> <input type="text"/> |
|--|--|---|

Water Conservation

17. Does the facility **submeter** any departments and/or individual pieces of equipment?

- ☒ Yes
☐ No

17.a Please indicate which of the following departments or equipment are submetered for water use:

- ☐ Boilers
- ☐ Chillers
- ☐ Compressed air systems
- ☐ Cooling towers
- ☐ Dialysis
- ☐ Irrigation
- ☐ Laundry
- ☐ Operating rooms
- ☐ Therapy pools
- ☒ Other

17.a.a Please describe other submetered equipment or areas:

18. Does the facility have a **written plan to reduce water use** over time?

- ☒ Yes
- ☐ No

18.a Please attach written plan to reduce water use:

19. Does the facility **benchmark water usage**?

- ☒ Yes
- ☐ No

19.a What **tool or company** does the organization utilize to benchmark water usage?

20. Has the facility purchased any of the following **US EPA WaterSense-labeled** devices and equipment? (Please select all that apply.)

- ☐ Bathroom sink faucets/accessories
- ☐ Flushing urinals
- ☐ Flushometer valve toilets
- ☐ Irrigation controllers
- ☐ Pre-rinse spray valves
- ☐ Showerheads
- ☐ Spray sprinkler bodies
- ☐ Toilets

21. Has the facility implemented any of the following strategies or technologies for the reuse of non-potable water?

- ☐ Boiler blow-down collection for reuse
- ☐ Condensate collection for reuse
- ☐ Gray water reuse system
- ☐ Rainwater harvesting system
- ☐ Use of non-potable water for laundry
- ☒ Other

21.a Please describe any other efforts to reuse non-potable water:

22. Does the facility use any alternative landscaping methods that **reduce the need for irrigation**?

- ☒ Yes
- ☐ No

22.a If yes, please describe alternative landscaping for irrigation reduction:

Please list the biggest **water-saving projects** implemented in 2019 in Table E. A minimum of three projects is suggested if possible.

Note: Your overall water use reduction is calculated above through percent water reduction from baseline, where you will get 'credit' for older water reduction projects. This table is **ONLY** for **projects completed in the past year**.

Table E: Water Reduction Projects

| Project Description | Category | Water Savings (in gallons/year) | Annual Savings in USD \$ (real or calculated) |
|------------------------------------|-------------------------------------|--------------------------------------|---|
| 23. <input type="text"/> | 24. Select an option... ▾ | 25. <input type="text"/> | 26. <input type="text"/> |
| 27. <input type="text"/> | 28. Select an option... ▾ | 29. <input type="text"/> | 30. <input type="text"/> |
| 31. <input type="text"/> | 32. Select an option... ▾ | 33. <input type="text"/> | 34. <input type="text"/> |
| 35. <input type="text"/> | 36. Select an option... ▾ | 37. <input type="text"/> | 38. <input type="text"/> |
| 39. <input type="text"/> | 40. Select an option... ▾ | 41. <input type="text"/> | 42. <input type="text"/> |
| Total | | 43. 0 <input type="text"/> | 44. 0 <input type="text"/> |

Other Water Program Successes

Please describe any additional **successes or innovations** in the water program or projects at your facility that you would like to share in the space provided below. Please feel free to provide commentary and/or attach a file.

45. Water Success 1: Please describe or attach any additional documentation.

46. Optional Attachment:

47. Water Success 2: Please describe or attach any additional documentation.

48. Optional Attachment:

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