

APPENDIX C-4. ACHIEVABLE TECHNICAL POTENTIAL PIE CHARTS

Appendix C-4 presents achievable technical potential in 2032 by state, sector, segment, and end use in aMW at generator.

Figure C-4.1. Achievable Technical Potential - California: Residential by Segment

Total: 7 aMW

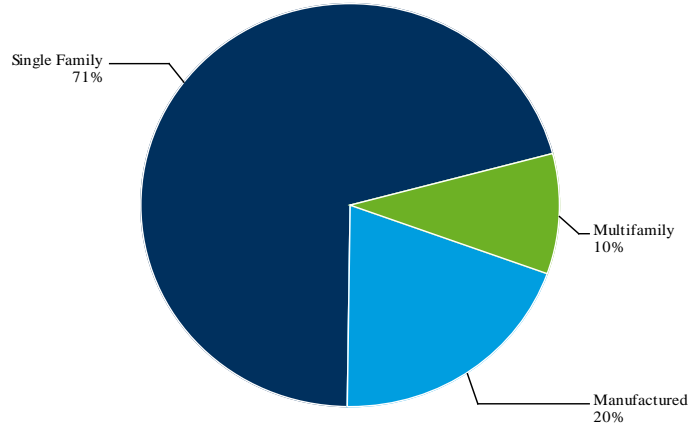


Figure C-4.2. Achievable Technical Potential - Idaho: Residential by Segment

Total: 16 aMW

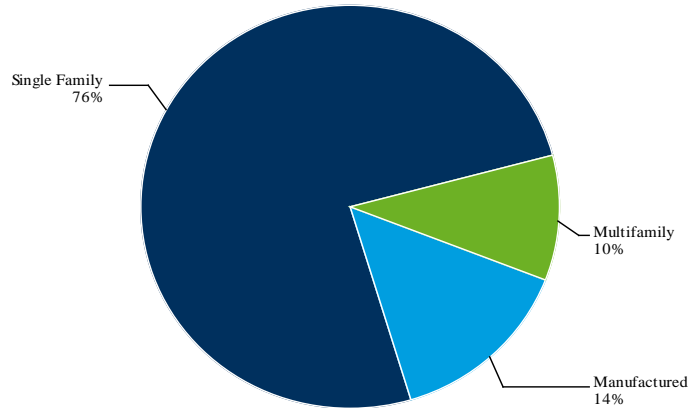


Figure C-4.3. Achievable Technical Potential - Utah: Residential by Segment

Total: 118 aMW

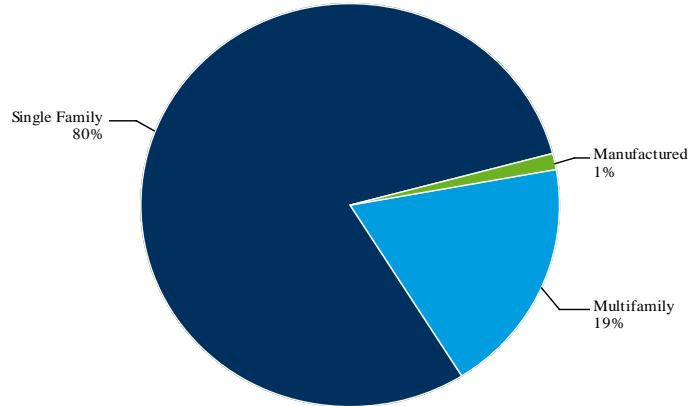


Figure C-4.4. Achievable Technical Potential - Washington: Residential by Segment

Total: 33 aMW

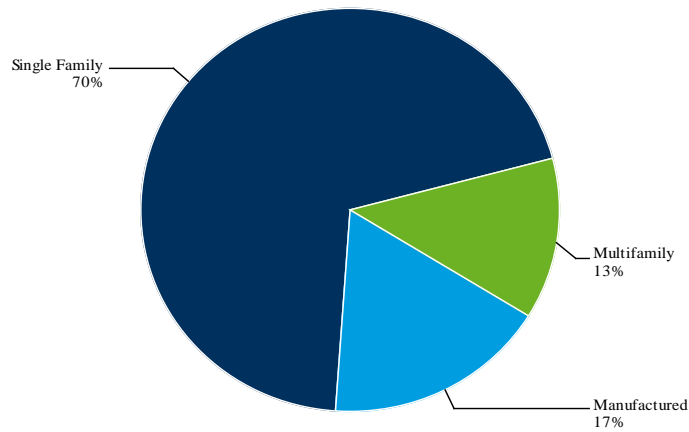


Figure C-4.5. Achievable Technical Potential - Wyoming: Residential by Segment

Total: 17 aMW

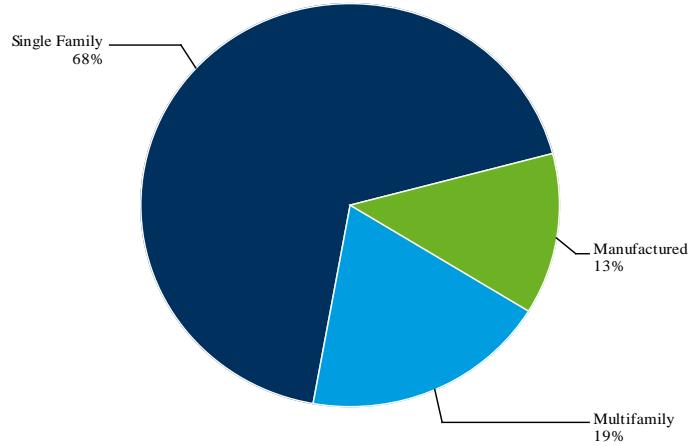
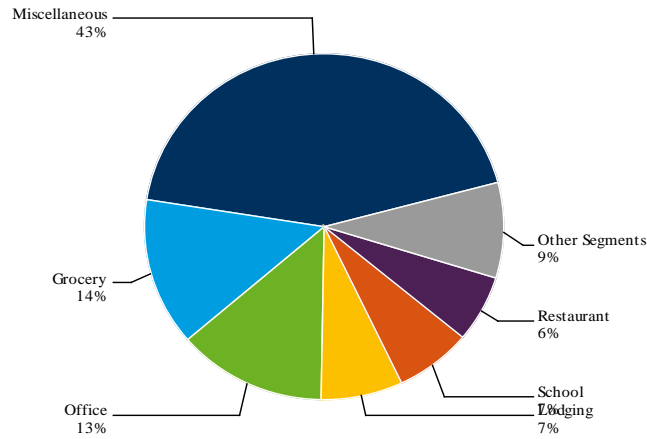


Figure C-4.6. Achievable Technical Potential - California: Commercial by Segment

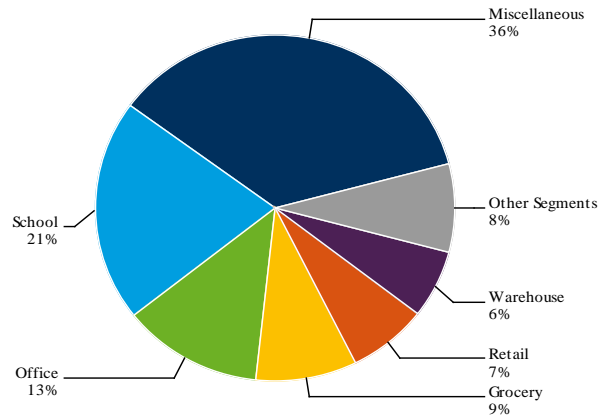
Total: 5 aMW



Note: 'Other Segments' includes:
Retail: 4%, Health: 4%, Warehouse: 2%

Figure C-4.7. Achievable Technical Potential - Idaho: Commercial by Segment

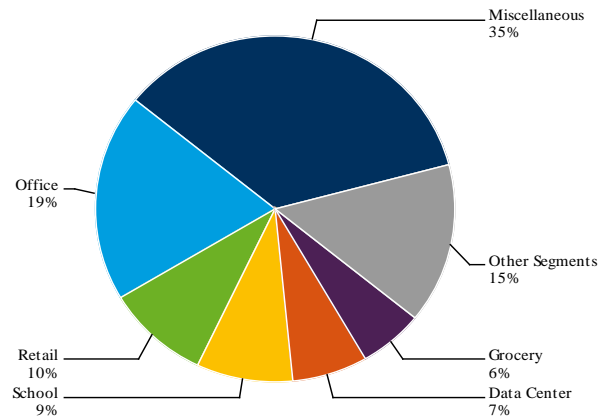
Total: 9 aMW



Note: 'Other Segments' includes:
 Restaurant: 4%, Health: 3%, Lodging: 2%

Figure C-4.8. Achievable Technical Potential - Utah: Commercial by Segment

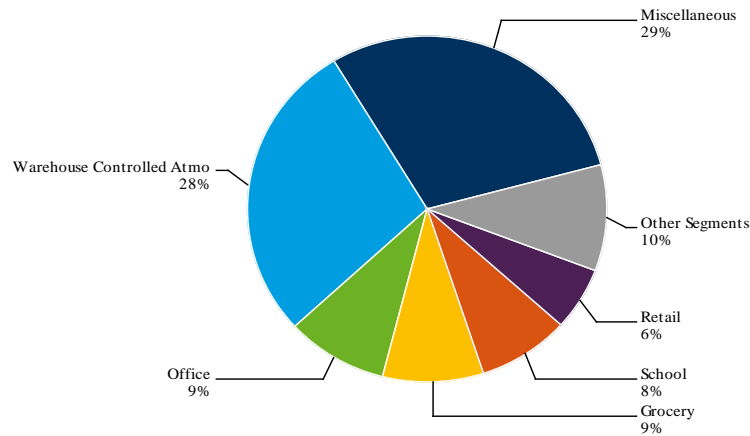
Total: 163 aMW



Note: 'Other Segments' includes:
 Restaurant: 4%, Warehouse: 4%, Lodging: 3%, Health: 3%

Figure C-4.9. Achievable Technical Potential - Washington: Commercial by Segment

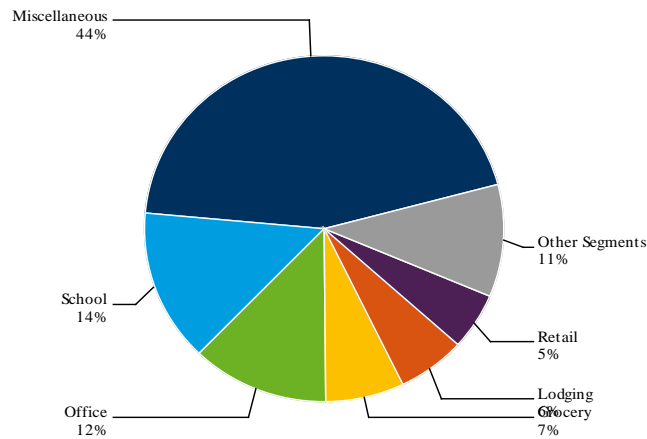
Total: 28 aMW



Note: 'Other Segments' includes:
 Restaurant: 4%, Health: 4%, Lodging: 2%, Warehouse: <1%

Figure C-4.10. Achievable Technical Potential - Wyoming: Commercial by Segment

Total: 29 aMW



Note: 'Other Segments' includes:
 Restaurant: 4%, Health: 4%, Warehouse: 2%

Figure C-4.11. Achievable Technical Potential - California: Industrial by Segment

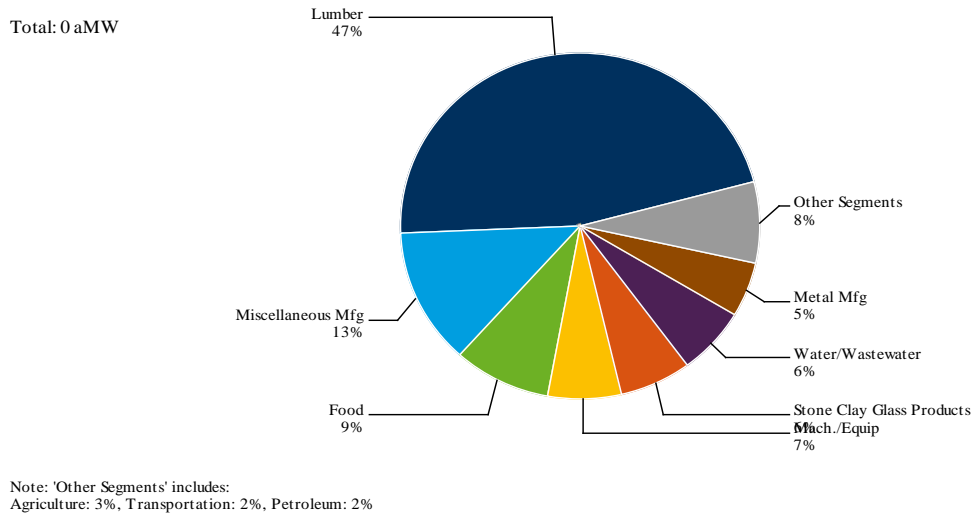


Figure C-4.12. Achievable Technical Potential - Idaho: Industrial by Segment

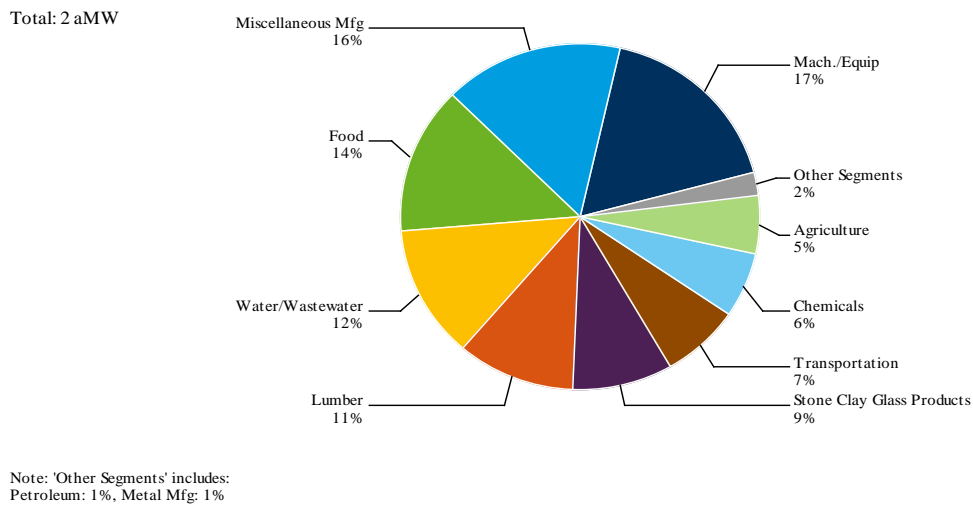
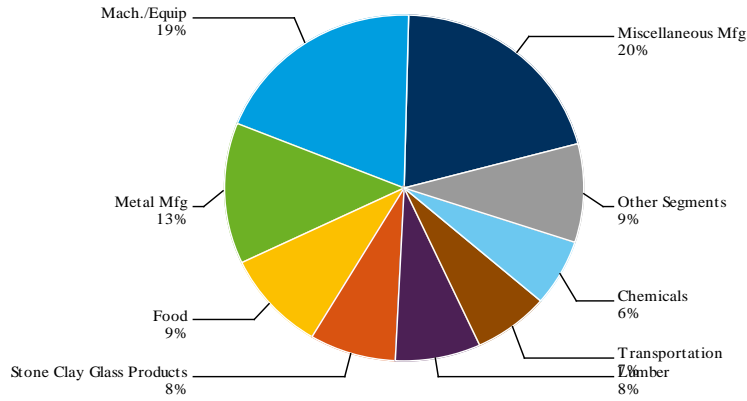


Figure C-4.13. Achievable Technical Potential - Utah: Industrial by Segment

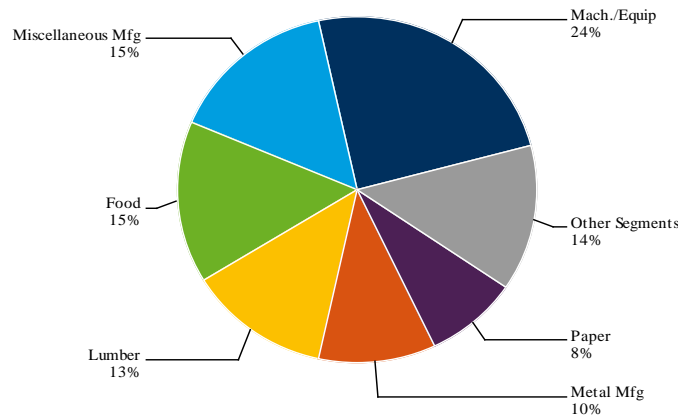
Total: 103 aMW



Note: 'Other Segments' includes:
 Water/Wastewater: 3%, Paper: 3%, Petroleum: 1%, Mining: <1%, Agriculture: <1%

Figure C-4.14. Achievable Technical Potential - Washington: Industrial by Segment

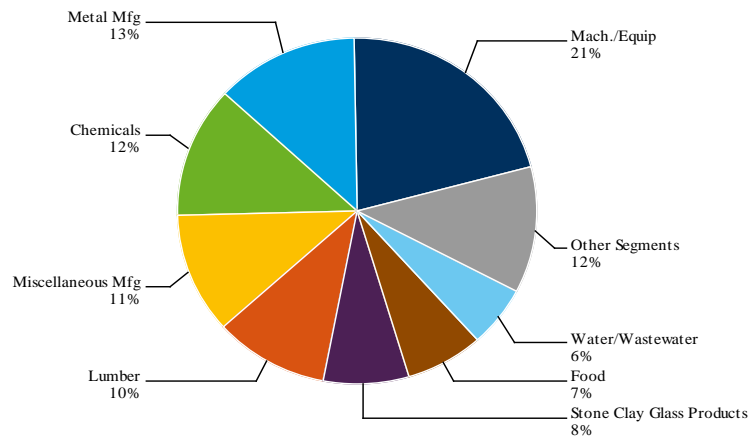
Total: 11 aMW



Note: 'Other Segments' includes:
 Water/Wastewater: 4%, Stone Clay Glass Products: 4%, Agriculture: 2%, Transportation: 2%, Petroleum: 1%, Chemicals: 1%

Figure C-4.15. Achievable Technical Potential - Wyoming: Industrial by Segment

Total: 90 aMW



Note: 'Other Segments' includes:
 Transportation: 4%, Mining: 3%, Petroleum: 3%, Agriculture: <1%

Figure C-4.16. Achievable Technical Potential - California: Street Lighting by Segment

Total: 0 aMW

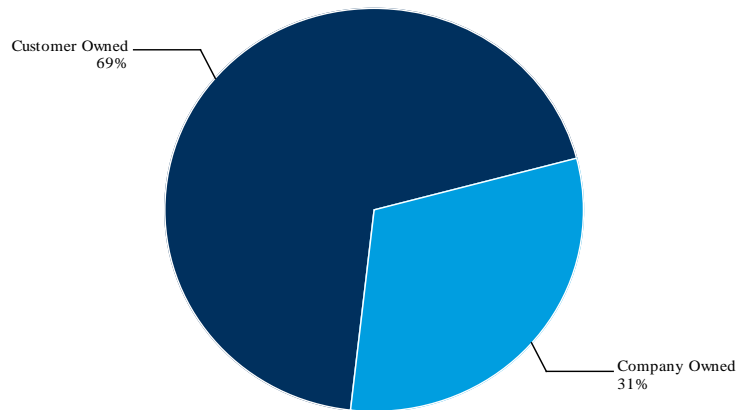


Figure C-4.17. Achievable Technical Potential - Idaho: Street Lighting by Segment

Total: 0 aMW

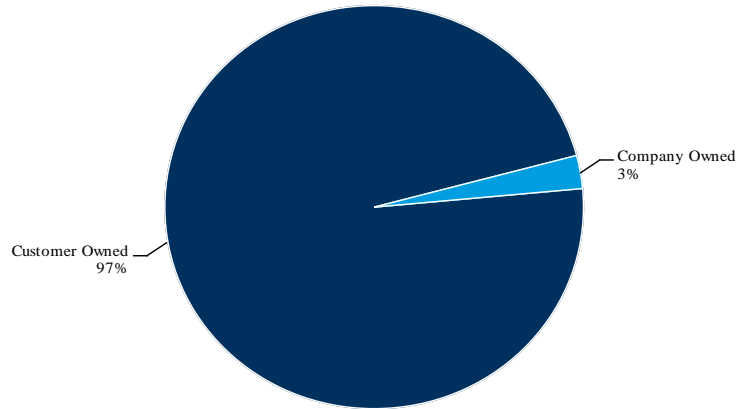


Figure C-4.18. Achievable Technical Potential - Utah: Street Lighting by Segment

Total: 3 aMW

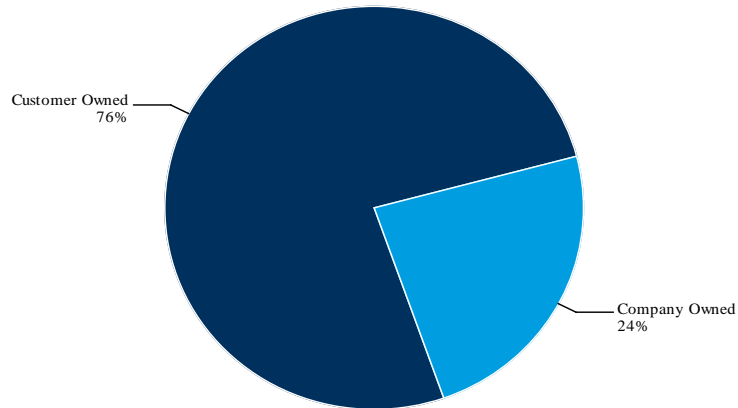


Figure C-4.19. Achievable Technical Potential - Washington: Street Lighting by Segment

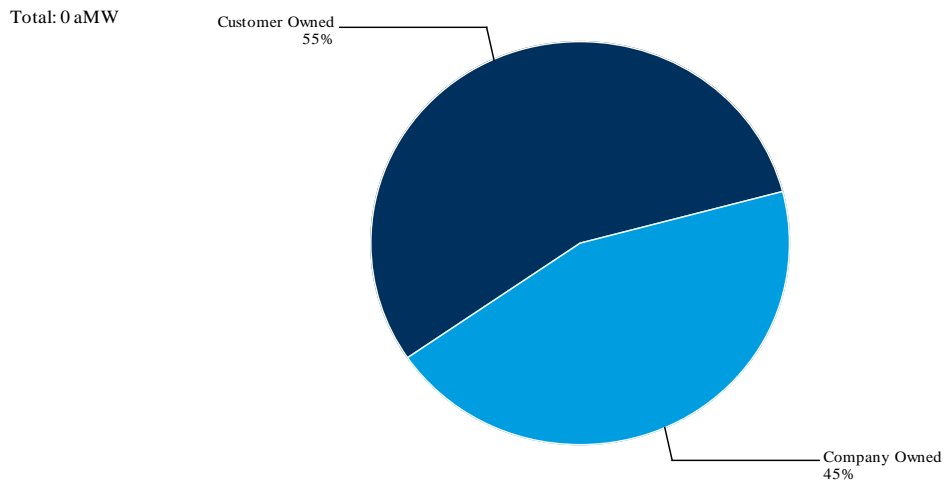


Figure C-4.20. Achievable Technical Potential - Wyoming: Street Lighting by Segment

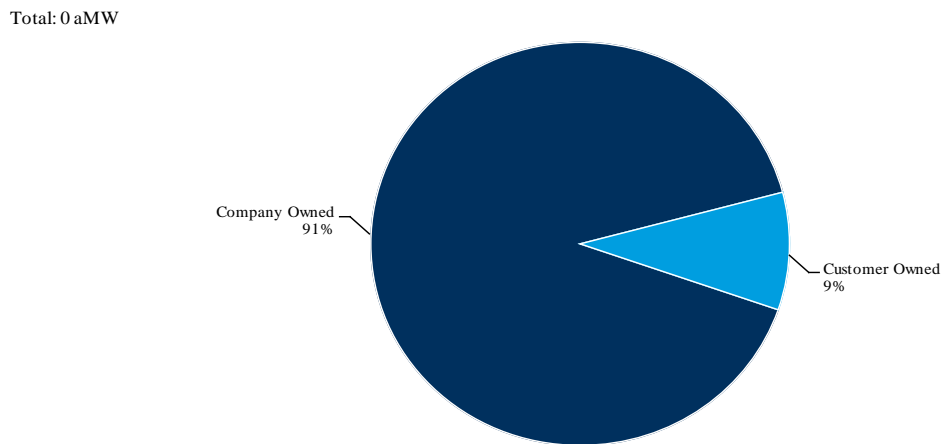
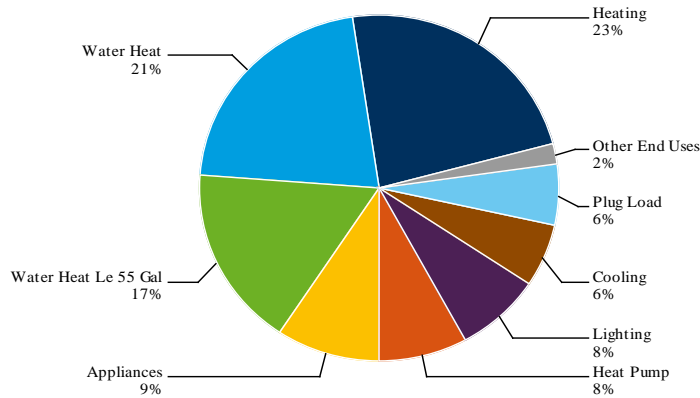


Figure C-4.21. Achievable Technical Potential - California: Residential by End Use

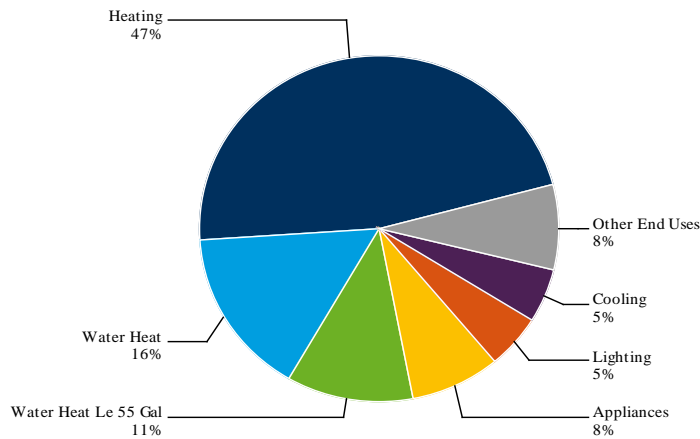
Total: 7 aMW



Note: 'Other End Uses' includes:
 Water Heat Gt 55 Gal: 1%, Ventilation And Circulation: <1%, Pool Pump: <1%, Cooking: <1%

Figure C-4.22. Achievable Technical Potential - Idaho: Residential by End Use

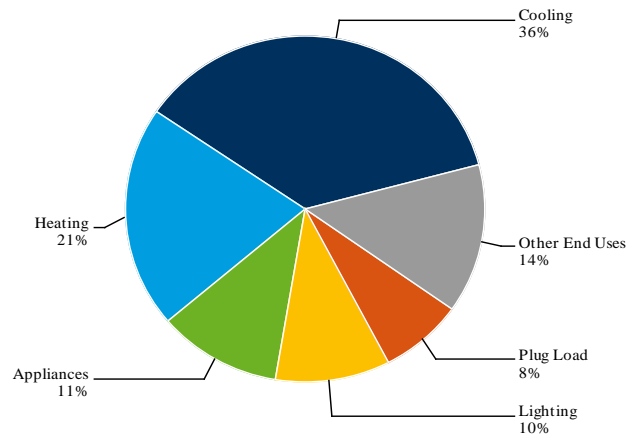
Total: 16 aMW



Note: 'Other End Uses' includes:
 Plug Load: 5%, Ventilation And Circulation: 2%, Heat Pump: <1%, Water Heat Gt 55 Gal: <1%, Pool Pump: <1%, Cooking: <1%

Figure C-4.23. Achievable Technical Potential - Utah: Residential by End Use

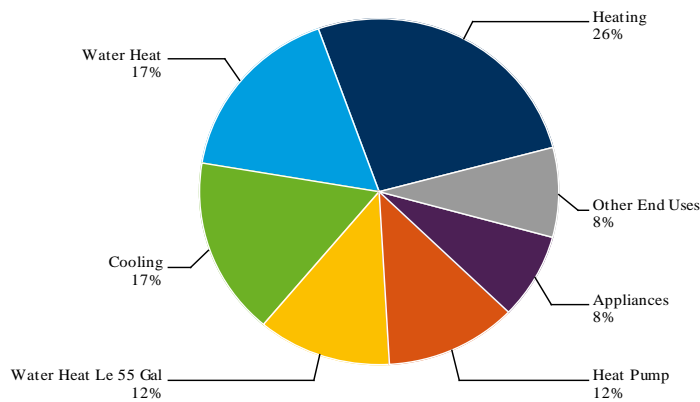
Total: 118 aMW



Note: 'Other End Uses' includes: Water Heat: 5%, Water Heat Le 55 Gal: 4%, Ventilation And Circulation: 3%, Heat Pump: <1%, Pool Pump: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

Figure C-4.24. Achievable Technical Potential - Washington: Residential by End Use

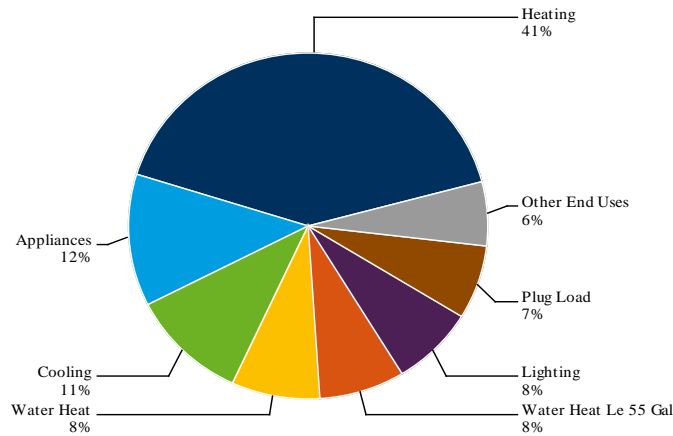
Total: 33 aMW



Note: 'Other End Uses' includes: Plug Load: 4%, Lighting: 3%, Water Heat Gt 55 Gal: <1%, Pool Pump: <1%, Cooking: <1%

Figure C-4.25. Achievable Technical Potential - Wyoming: Residential by End Use

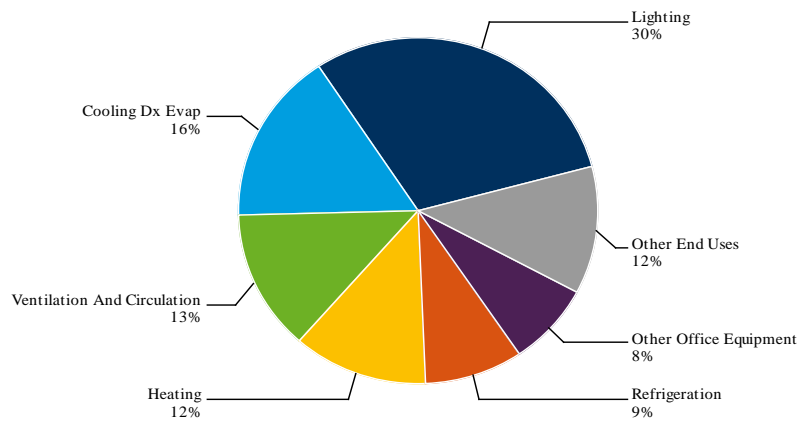
Total: 17 aMW



Note: 'Other End Uses' includes:
 Ventilation And Circulation: 3%, Heat Pump: 3%, Water Heat Gt 55 Gal: <1%, Pool Pump: <1%, Cooking: <1%

Figure C-4.26. Achievable Technical Potential - California: Commercial by End Use

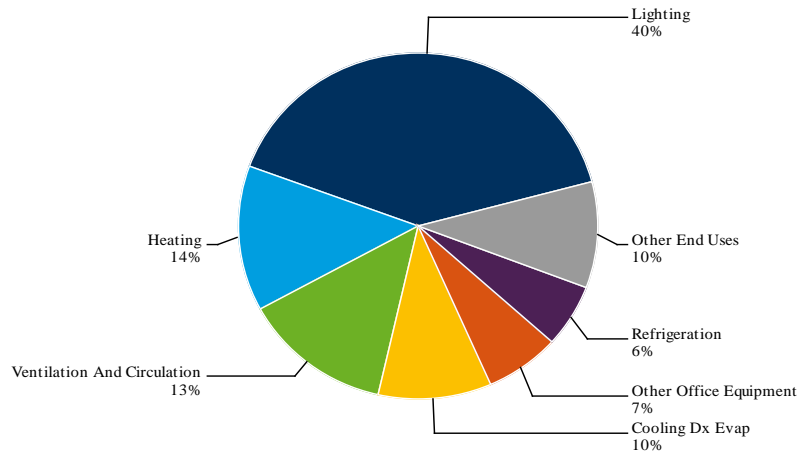
Total: 5 aMW



Note: 'Other End Uses' includes:
 Water Heat: 3%, Water Heat Le 55 Gal: 3%, Heat Pump: 2%, Cooling: 2%, Cooking: <1%, Lighting Interior Hid: <1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.27. Achievable Technical Potential - Idaho: Commercial by End Use

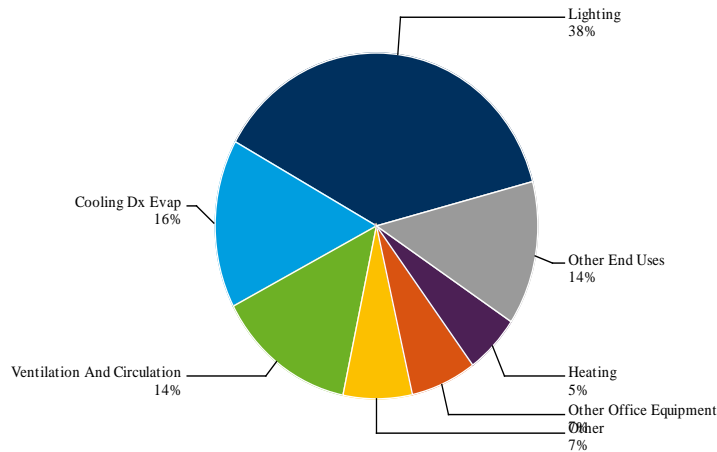
Total: 9 aMW



Note: 'Other End Uses' includes:
 Water Heat: 3%, Heat Pump: 2%, Water Heat Le 55 Gal: 2%, Cooling: 1%, Lighting Interior Hid: <1%, Appliances: <1%, Cooking: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.28. Achievable Technical Potential - Utah: Commercial by End Use

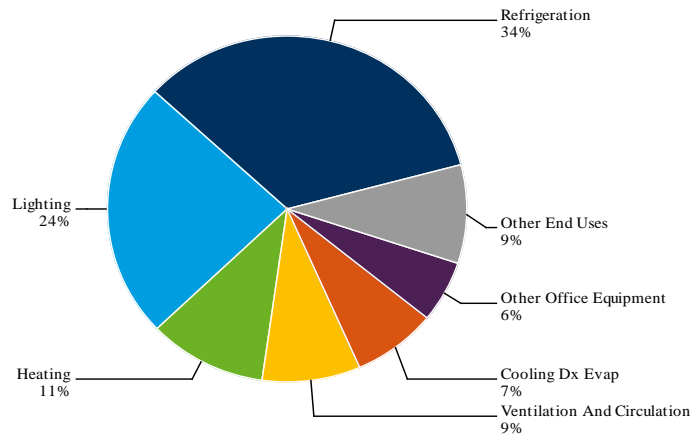
Total: 163 aMW



Note: 'Other End Uses' includes:
 Refrigeration: 4%, Cooling: 3%, Heat Pump: 3%, Water Heat: 2%, Lighting Interior Hid: <1%, Water Heat Le 55 Gal: <1%, Appliances: <1%, Cooking: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.29. Achievable Technical Potential - Washington: Commercial by End Use

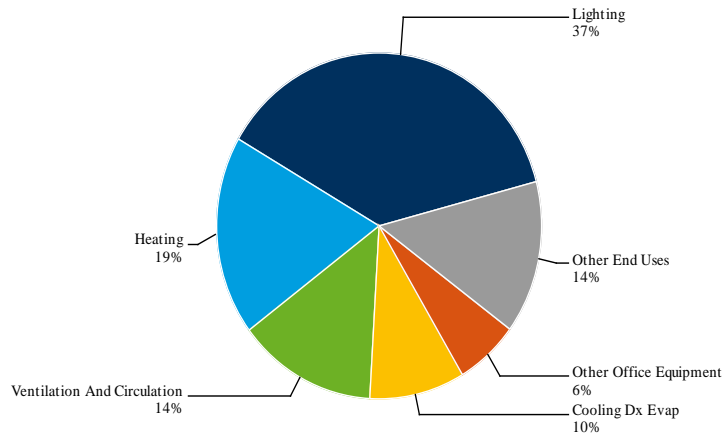
Total: 28 aMW



Note: 'Other End Uses' includes: Water Heat: 3%, Heat Pump: 3%, Water Heat Le 55 Gal: 1%, Cooling: 1%, Lighting Interior Hid: <1%, Appliances: <1%, Cooking: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.30. Achievable Technical Potential - Wyoming: Commercial by End Use

Total: 29 aMW



Note: 'Other End Uses' includes: Refrigeration: 5%, Heat Pump: 3%, Water Heat: 2%, Cooling: 1%, Water Heat Le 55 Gal: 1%, Lighting Interior Hid: <1%, Appliances: <1%, Cooking: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.31. Achievable Technical Potential - California: Industrial by End Use

Total: 0 aMW

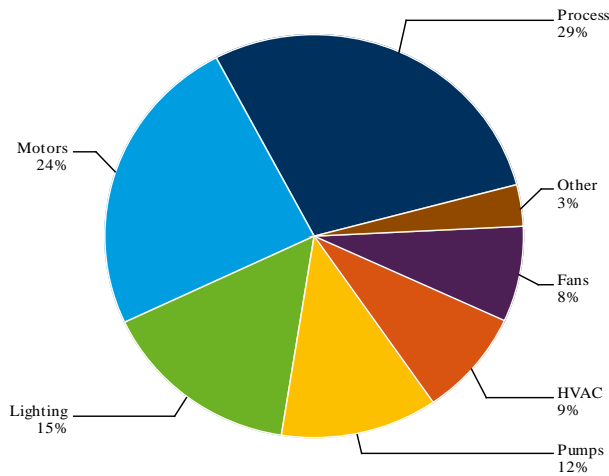


Figure C-4.32. Achievable Technical Potential - Idaho: Industrial by End Use

Total: 2 aMW

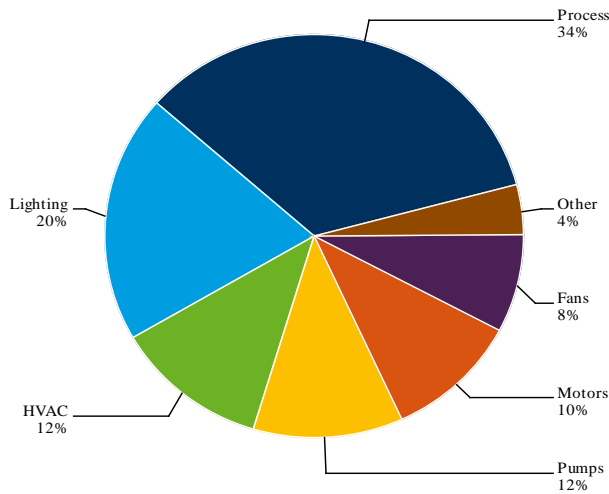


Figure C-4.33. Achievable Technical Potential - Utah: Industrial by End Use

Total: 103 aMW

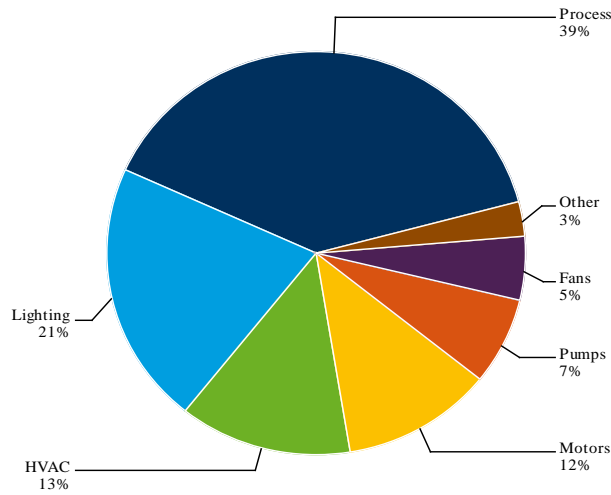


Figure C-4.34. Achievable Technical Potential - Washington: Industrial by End Use

Total: 11 aMW

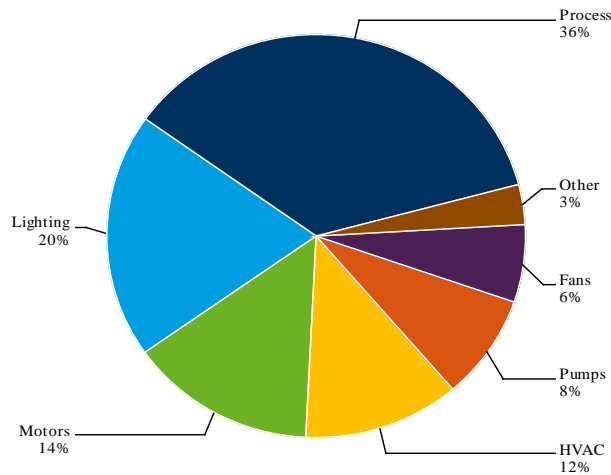
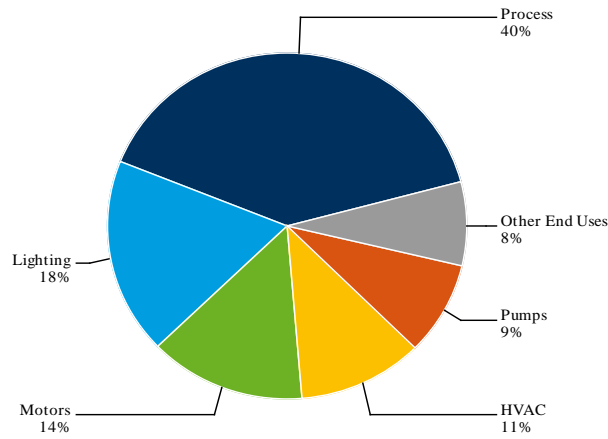


Figure C-4.35. Achievable Technical Potential - Wyoming: Industrial by End Use

Total: 90 aMW



Note: 'Other End Uses' includes:
Fans: 5%, Other: 3%

Figure C-4.41 Achievable Technical Potential - California: Street Lighting by End Use

Total: 0 aMW

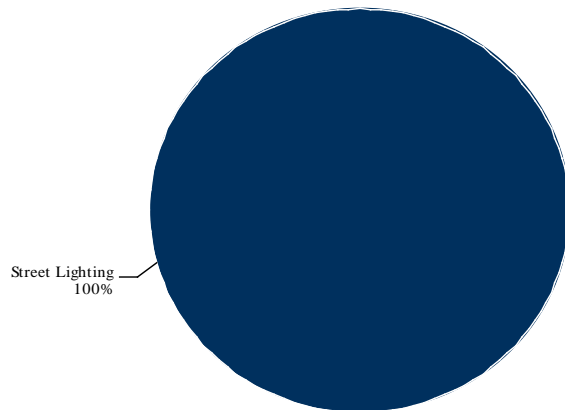


Figure C-4.36. Achievable Technical Potential - Idaho: Street Lighting by End Use

Total: 0 aMW

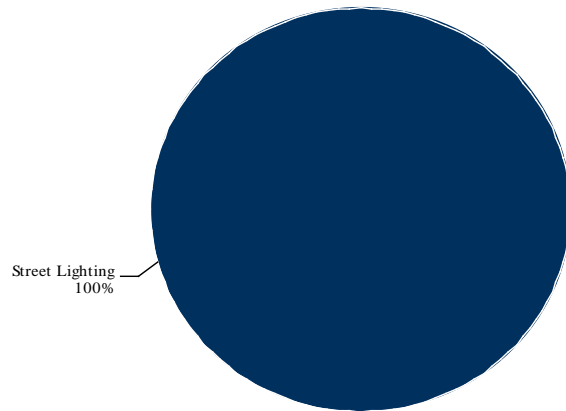


Figure C-4.37. Achievable Technical Potential - Utah: Street Lighting by End Use

Total: 3 aMW

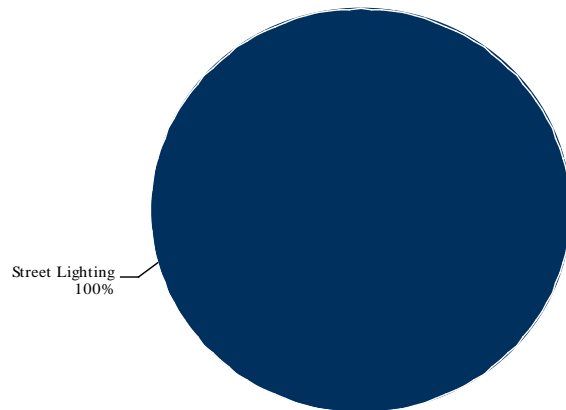


Figure C-4.38. Achievable Technical Potential - Washington: Street Lighting by End Use

Total: 0 aMW

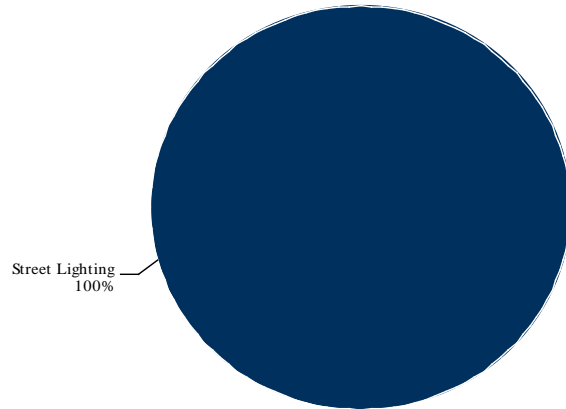
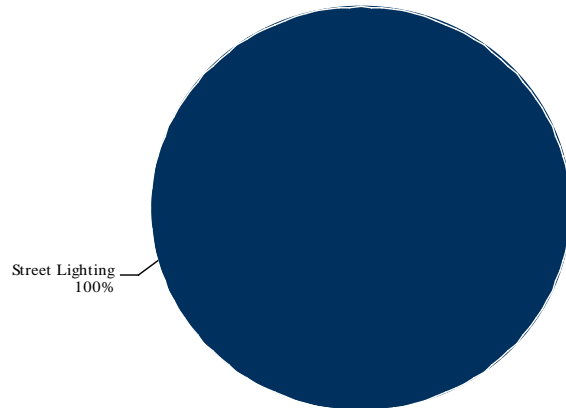


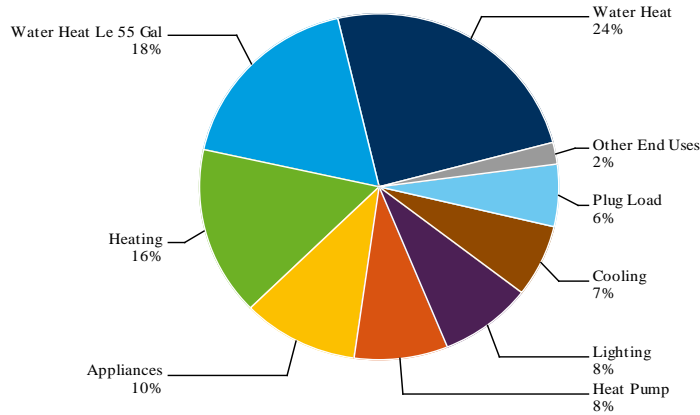
Figure C-4.39. Achievable Technical Potential - Wyoming: Street Lighting by End Use

Total: 0 aMW



**Figure C-4.40. Achievable Technical Potential - California:
Residential Single Family by End Use**

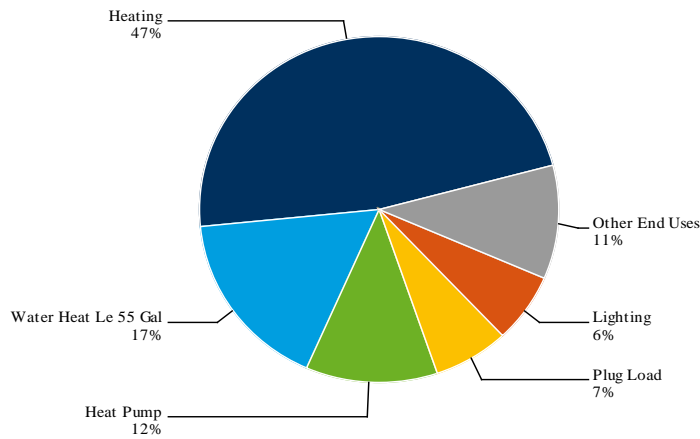
Total: 5 aMW



Note: 'Other End Uses' includes:
Water Heat Gt 55 Gal: 1%, Ventilation And Circulation: <1%, Pool Pump: <1%, Cooking: <1%

**Figure C-4.41. Achievable Technical Potential - California:
Residential Multifamily by End Use**

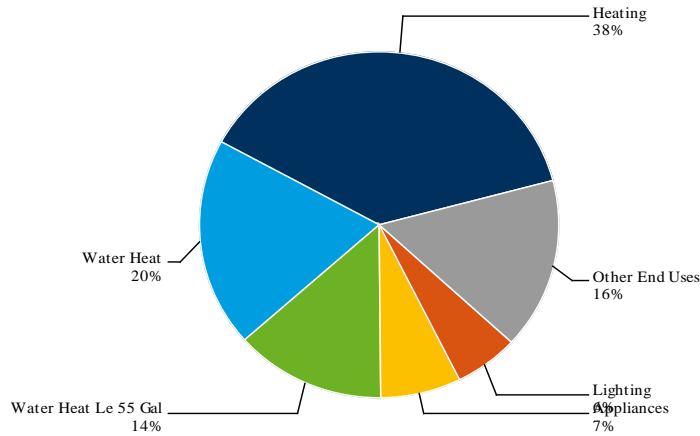
Total: 1 aMW



Note: 'Other End Uses' includes:
Appliances: 4%, Water Heat: 3%, Cooling: 2%, Water Heat Gt 55 Gal: <1%, Ventilation And Circulation: <1%, Cooking: <1%

**Figure C-4.42. Achievable Technical Potential - California:
Residential Manufactured by End Use**

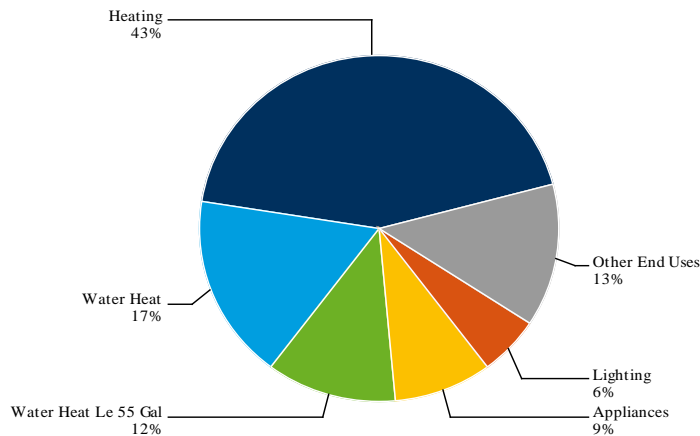
Total: 1 aMW



Note: 'Other End Uses' includes:
Cooling: 5%, Heat Pump: 5%, Plug Load: 5%, Ventilation And Circulation: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

**Figure C-4.43. Achievable Technical Potential - Idaho:
Residential Single Family by End Use**

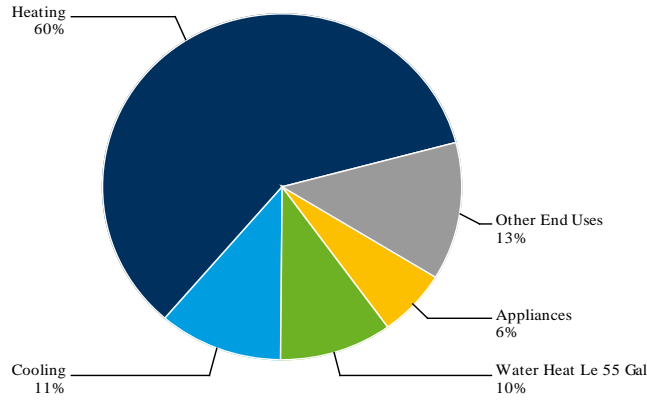
Total: 12 aMW



Note: 'Other End Uses' includes:
Cooling: 5%, Plug Load: 5%, Ventilation And Circulation: 2%, Heat Pump: 1%, Water Heat Gt 55 Gal: <1%, Pool Pump: <1%, Cooking: <1%

Figure C-4.44. Achievable Technical Potential - Idaho: Residential Multifamily by End Use

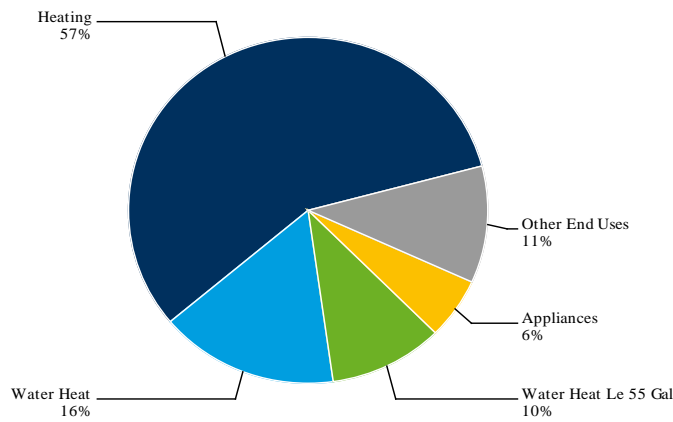
Total: 2 aMW



Note: 'Other End Uses' includes:
 Plug Load: 5%, Lighting: 4%, Water Heat: 2%, Ventilation And Circulation: 1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

Figure C-4.45. Achievable Technical Potential - Idaho: Residential Manufactured by End Use

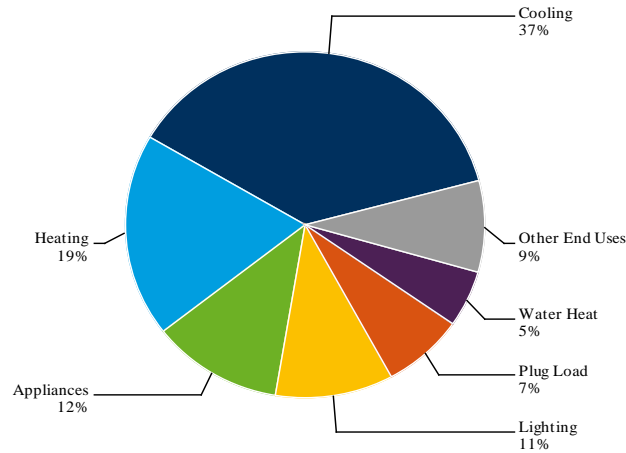
Total: 2 aMW



Note: 'Other End Uses' includes:
 Plug Load: 3%, Lighting: 3%, Cooling: 2%, Ventilation And Circulation: 1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

**Figure C-4.46. Achievable Technical Potential - Utah:
Residential Single Family by End Use**

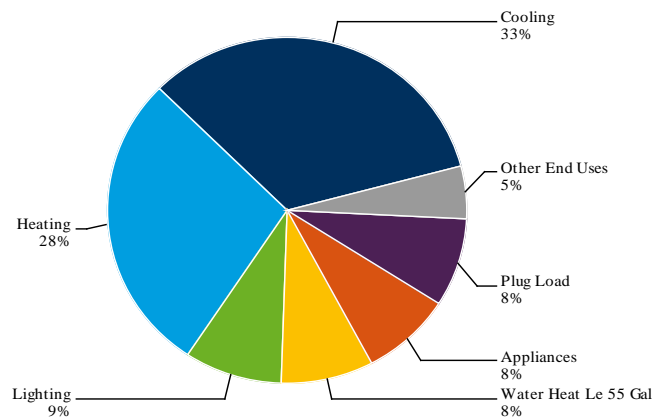
Total: 94 aMW



Note: 'Other End Uses' includes:
Ventilation And Circulation: 4%, Water Heat Le 55 Gal: 3%, Heat Pump: <1%, Pool Pump: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

**Figure C-4.47. Achievable Technical Potential - Utah:
Residential Multifamily by End Use**

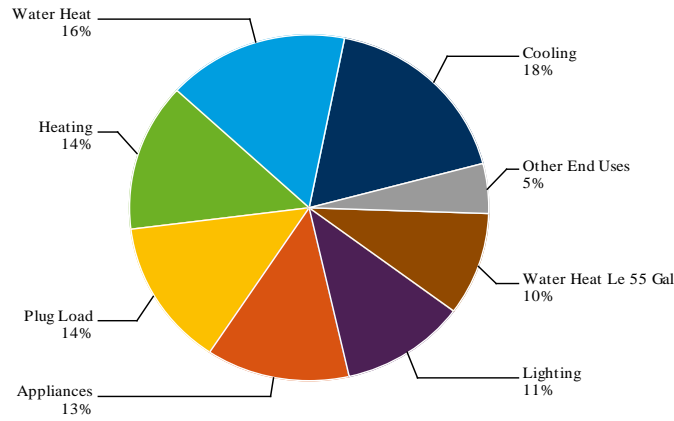
Total: 22 aMW



Note: 'Other End Uses' includes:
Ventilation And Circulation: 3%, Water Heat: 2%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

**Figure C-4.48. Achievable Technical Potential - Utah:
Residential Manufactured by End Use**

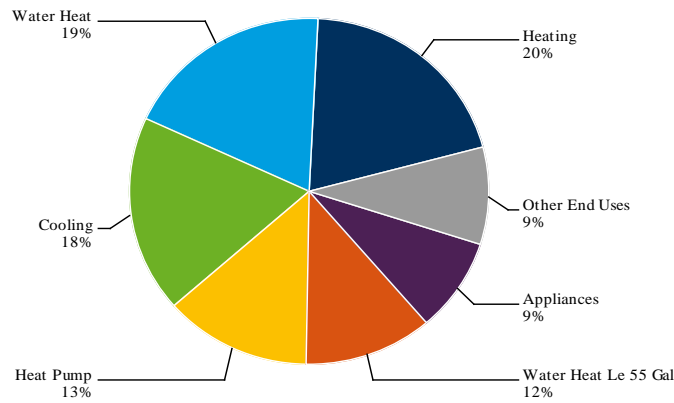
Total: 2 aMW



Note: 'Other End Uses' includes:
Ventilation And Circulation: 4%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

**Figure C-4.49. Achievable Technical Potential - Washington:
Residential Single Family by End Use**

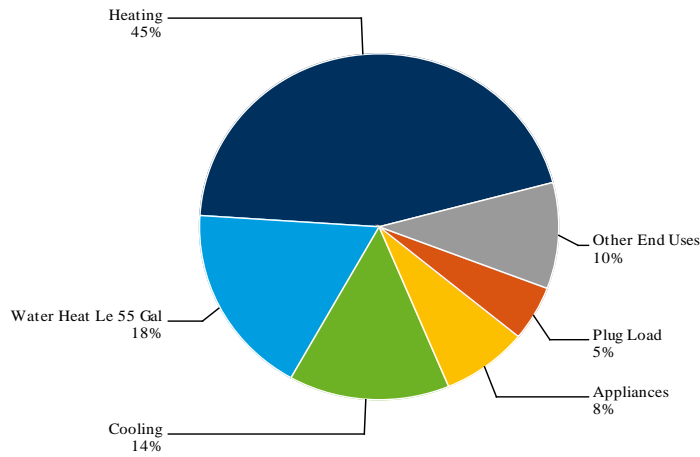
Total: 23 aMW



Note: 'Other End Uses' includes:
Plug Load: 4%, Lighting: 4%, Water Heat Gt 55 Gal: <1%, Pool Pump: <1%, Cooking: <1%

**Figure C-4.50. Achievable Technical Potential - Washington:
Residential Multifamily by End Use**

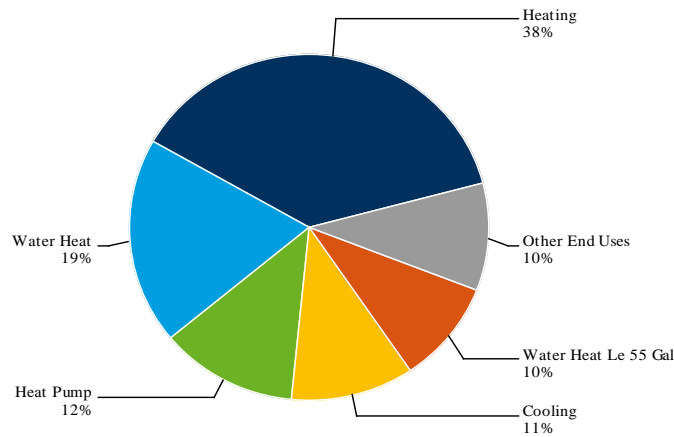
Total: 4 aMW



Note: 'Other End Uses' includes:
Heat Pump: 3%, Lighting: 3%, Water Heat: 3%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

**Figure C-4.51. Achievable Technical Potential - Washington:
Residential Manufactured by End Use**

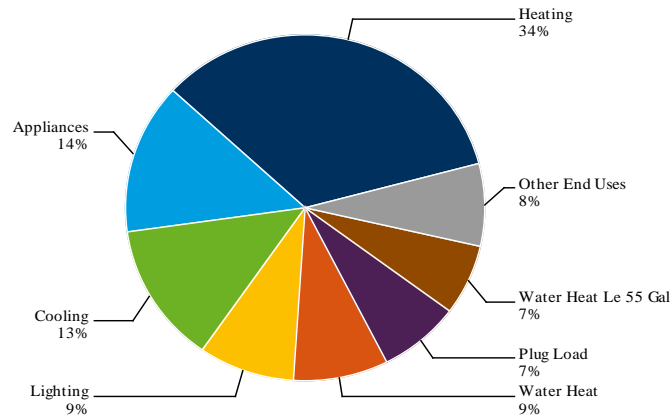
Total: 6 aMW



Note: 'Other End Uses' includes:
Appliances: 5%, Plug Load: 3%, Lighting: 2%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

Figure C-4.52. Achievable Technical Potential - Wyoming: Residential Single Family by End Use

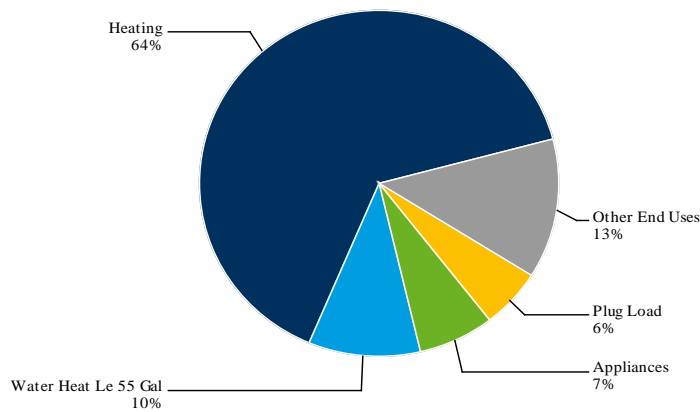
Total: 11 aMW



Note: 'Other End Uses' includes: Heat Pump: 4%, Ventilation And Circulation: 3%, Water Heat Gt 55 Gal: <1%, Pool Pump: <1%, Cooking: <1%

Figure C-4.53. Achievable Technical Potential - Wyoming: Residential Multifamily by End Use

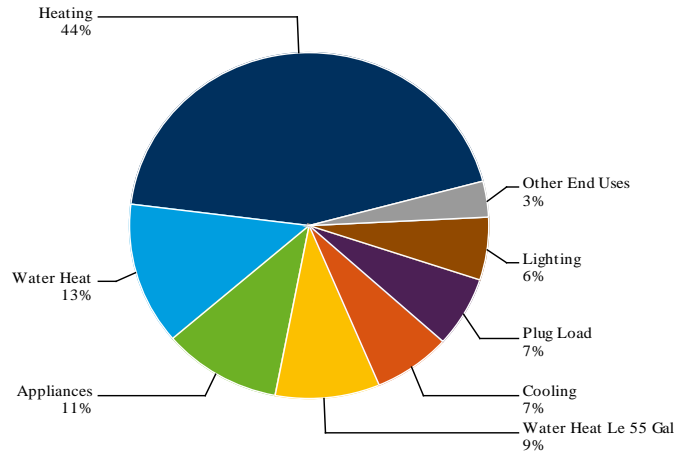
Total: 3 aMW



Note: 'Other End Uses' includes: Lighting: 5%, Cooling: 5%, Water Heat: 2%, Ventilation And Circulation: 1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

Figure C-4.54. Achievable Technical Potential - Wyoming: Residential Manufactured by End Use

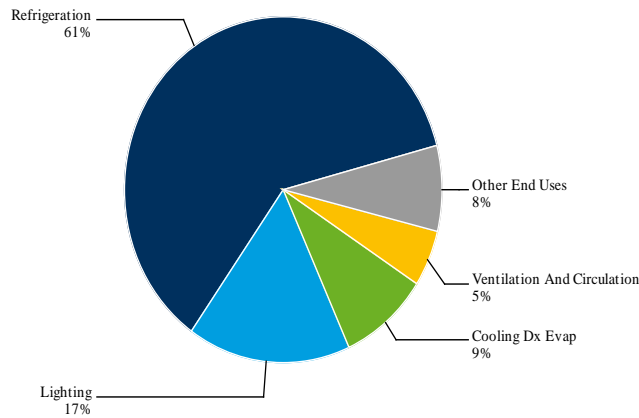
Total: 2 aMW



Note: 'Other End Uses' includes:
 Ventilation And Circulation: 3%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

Figure C-4.55. Achievable Technical Potential - California: Commercial Grocery by End Use

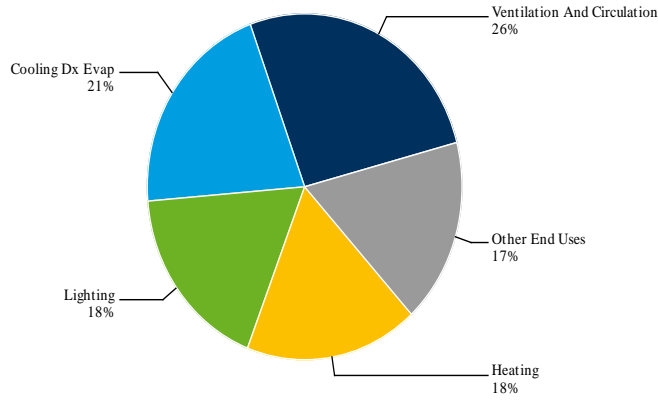
Total: 1 aMW



Note: 'Other End Uses' includes:
 Heating: 3%, Other Office Equipment: 3%, Heat Pump: 1%, Water Heat Le 55 Gal: <1%, Cooling: <1%, Water Heat: <1%, Cooking: <1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%, Lighting Interior Hid: <1%

Figure C-4.56. Achievable Technical Potential - California: Commercial Health by End Use

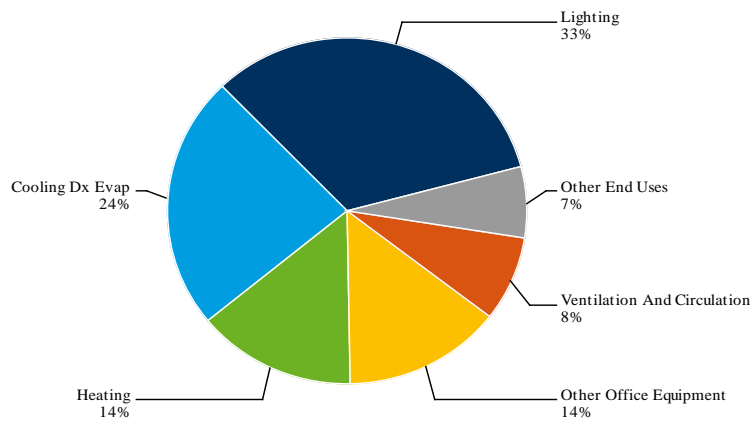
Total: 0 aMW



Note: 'Other End Uses' includes:
 Other Office Equipment: 5%, Water Heat: 4%, Cooling: 3%, Heat Pump: 3%, Water Heat Le 55 Gal: 1%, Appliances: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

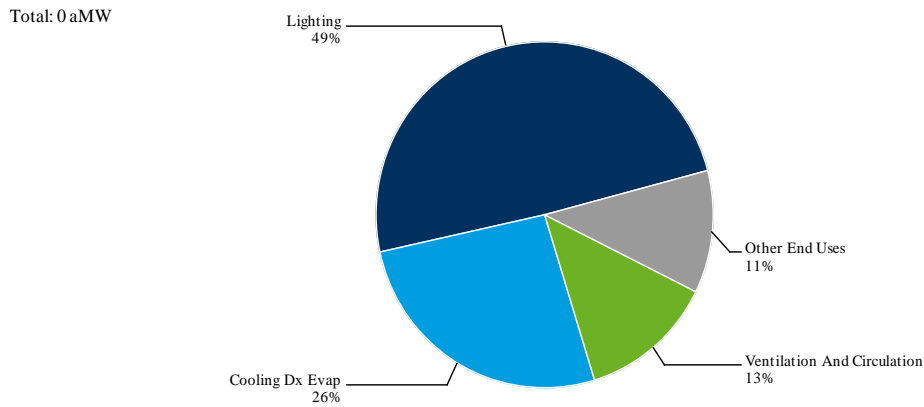
Figure C-4.57. Achievable Technical Potential - California: Commercial Office by End Use

Total: 1 aMW



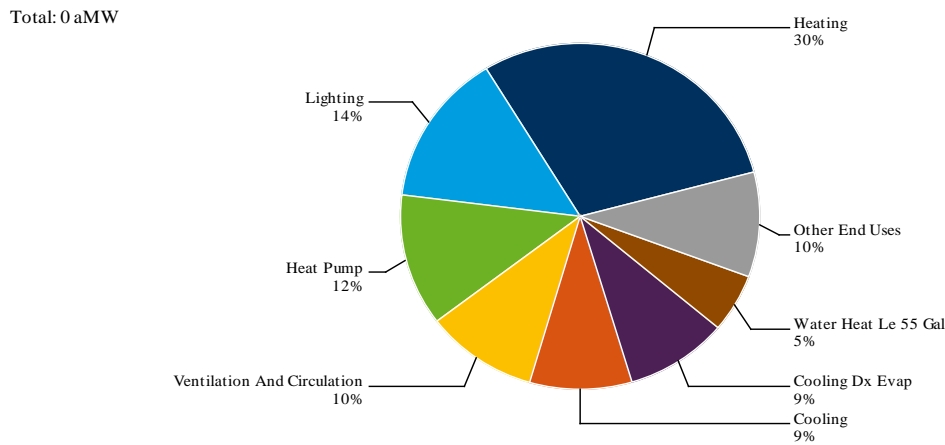
Note: 'Other End Uses' includes:
 Water Heat: 4%, Cooling: 1%, Water Heat Le 55 Gal: <1%, Appliances: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.58. Achievable Technical Potential - California: Commercial Retail by End Use



Note: 'Other End Uses' includes: Heating: 5%, Water Heat: 2%, Other Office Equipment: 2%, Cooling: 1%, Water Heat Le 55 Gal: <1%, Appliances: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

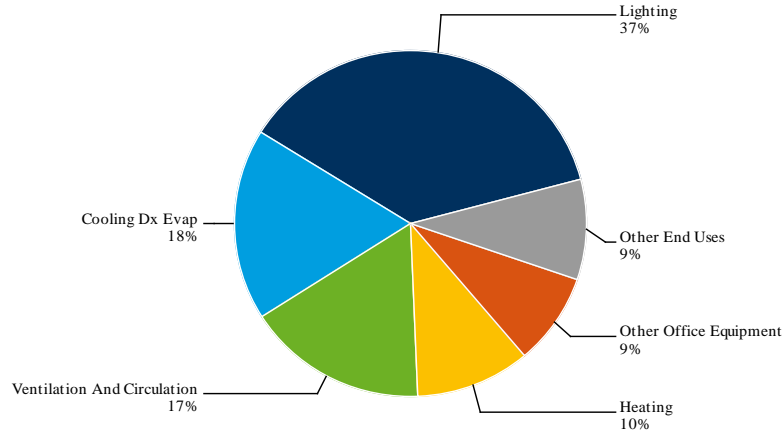
Figure C-4.59. Achievable Technical Potential - California: Commercial Lodging by End Use



Note: 'Other End Uses' includes: Other Office Equipment: 5%, Water Heat: 3%, Appliances: 2%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%, Cooking: <1%, Lighting Interior Hid: <1%

**Figure C-4.60. Achievable Technical Potential - California:
Commercial Miscellaneous by
End Use**

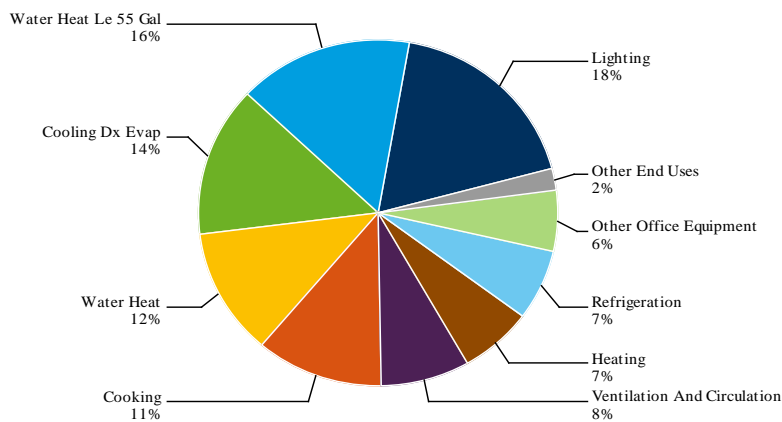
Total: 2 aMW



Note: 'Other End Uses' includes:
Water Heat Le 55 Gal: 2%, Water Heat: 2%, Heat Pump: 2%, Lighting Interior Hid: 1%, Cooling: <1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%

**Figure C-4.61. Achievable Technical Potential - California:
Commercial Restaurant by End Use**

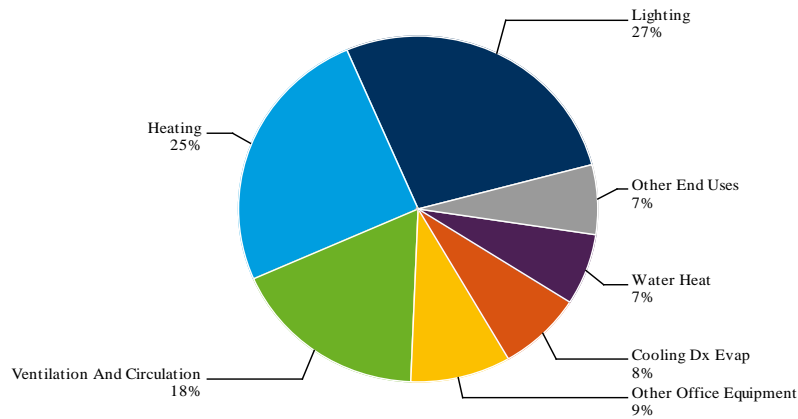
Total: 0 aMW



Note: 'Other End Uses' includes:
Water Heat Gt 55 Gal: 1%, Cooling: <1%, Appliances: <1%, Lighting Interior Hid: <1%

Figure C-4.62. Achievable Technical Potential - California: Commercial School by End Use

Total: 0 aMW

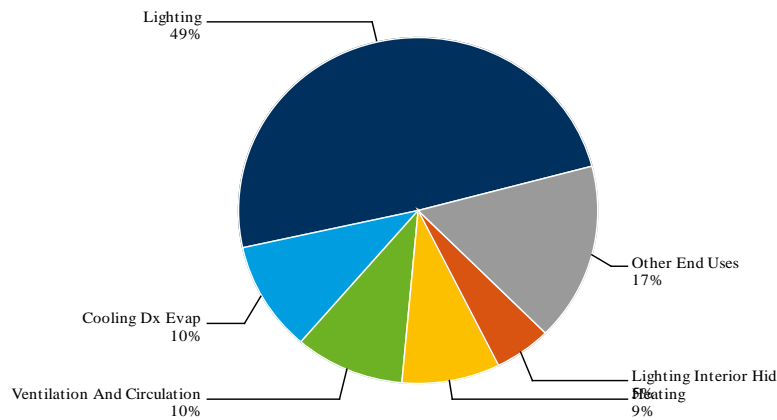


Note: 'Other End Uses' includes:

Cooling: 3%, Water Heat Le 55 Gal: 2%, Appliances: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

Figure C-4.63. Achievable Technical Potential - California: Commercial Warehouse by End Use

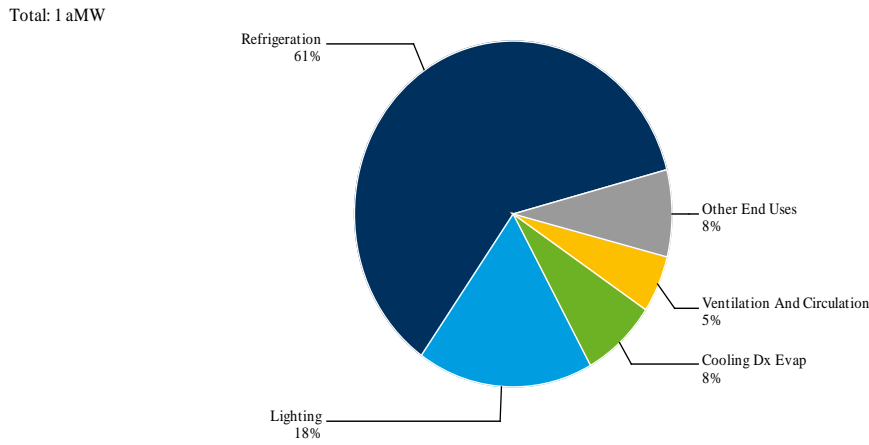
Total: 0 aMW



Note: 'Other End Uses' includes:

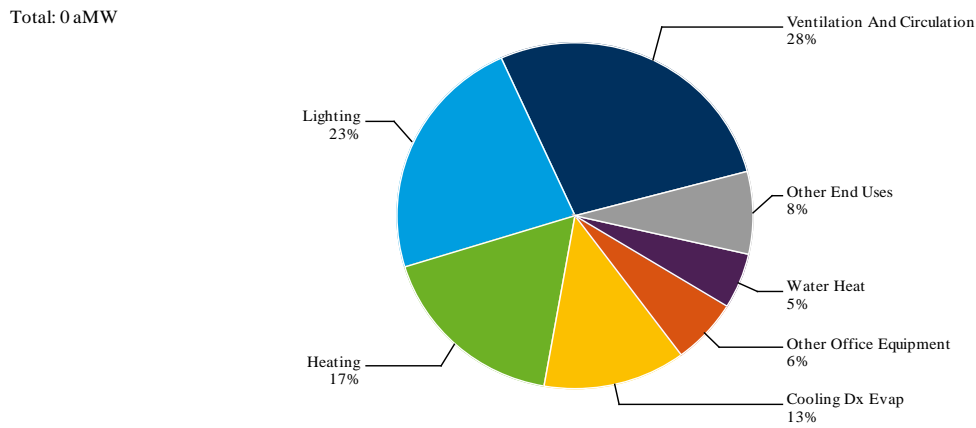
Heat Pump: 5%, Other Office Equipment: 5%, Water Heat: 3%, Cooling: 2%, Water Heat Le 55 Gal: 2%, Appliances: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.64. Achievable Technical Potential - Idaho: Commercial Grocery by End Use



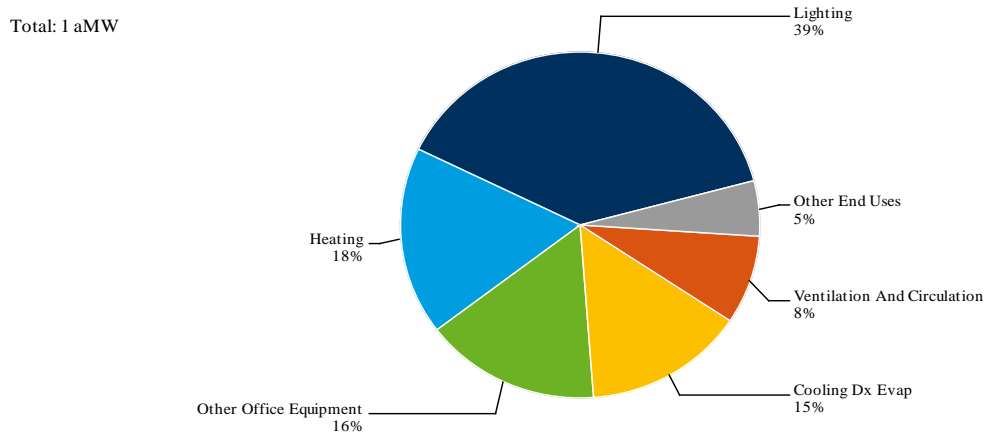
Note: 'Other End Uses' includes:
 Heating: 3%, Other Office Equipment: 2%, Heat Pump: 1%, Water Heat Le 55 Gal: <1%, Appliances: <1%, Water Heat: <1%, Cooling: <1%, Cooking: <1%, Water Heat Gt 55 Gal: <1%, Lighting Interior Hid: <1%

Figure C-4.65. Achievable Technical Potential - Idaho: Commercial Health by End Use



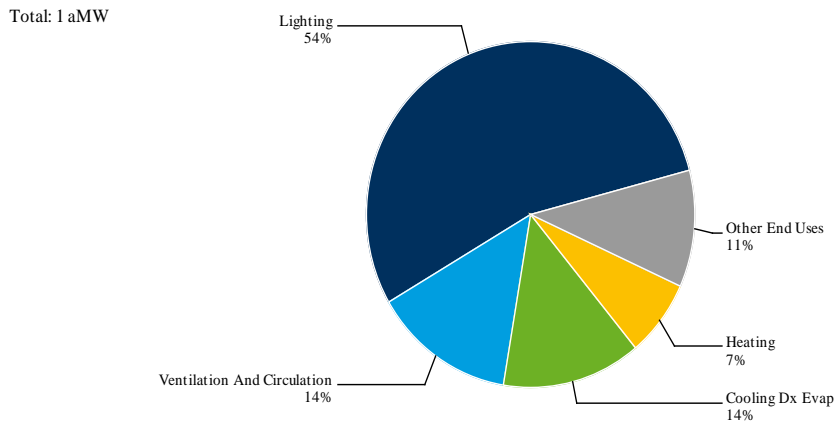
Note: 'Other End Uses' includes:
 Heat Pump: 3%, Cooling: 2%, Water Heat Le 55 Gal: 1%, Appliances: <1%, Refrigeration: <1%, Water Heat Gt 55 Gal: <1%, Lighting Interior Hid: <1%, Cooking: <1%

Figure C-4.66. Achievable Technical Potential - Idaho: Commercial Office by End Use



Note: 'Other End Uses' includes:
 Water Heat: 2%, Cooling: <1%, Heat Pump: <1%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

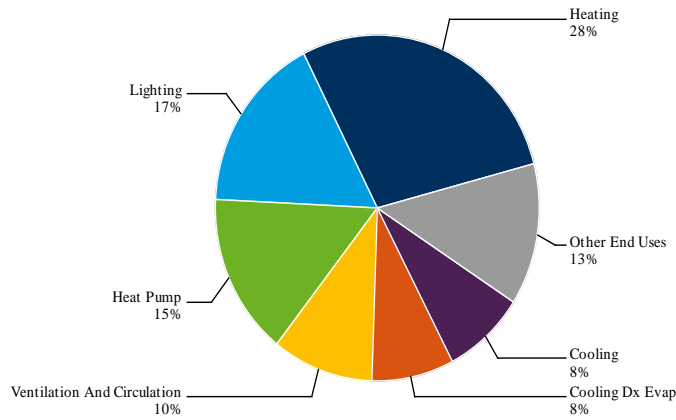
Figure C-4.67. Achievable Technical Potential - Idaho: Commercial Retail by End Use



Note: 'Other End Uses' includes:
 Heat Pump: 5%, Other Office Equipment: 3%, Water Heat: 1%, Cooling: <1%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.68. Achievable Technical Potential - Idaho: Commercial Lodging by End Use

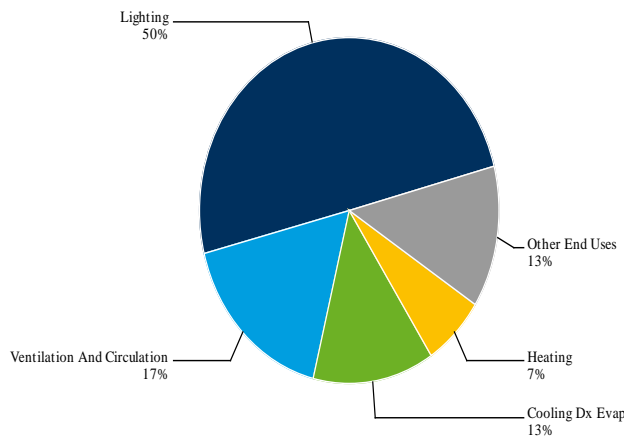
Total: 0 aMW



Note: 'Other End Uses' includes:
 Water Heat Le 55 Gal: 4%, Other Office Equipment: 4%, Water Heat: 4%, Appliances: <1%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%, Cooking: <1%, Lighting Interior Hid: <1%

Figure C-4.69. Achievable Technical Potential - Idaho: Commercial Miscellaneous by End Use

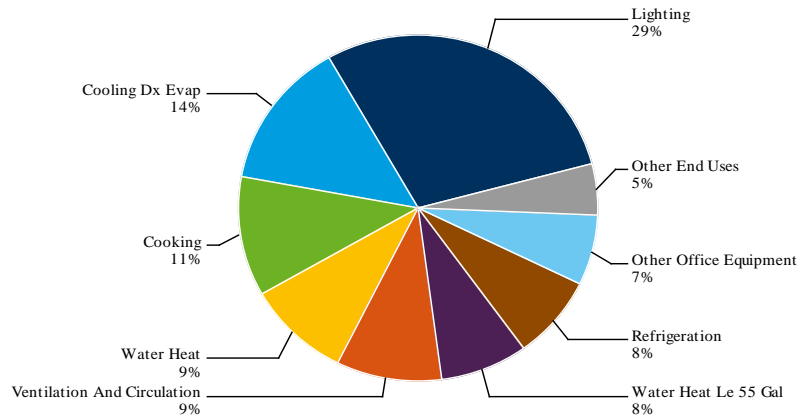
Total: 3 aMW



Note: 'Other End Uses' includes:
 Other Office Equipment: 4%, Heat Pump: 2%, Water Heat: 2%, Water Heat Le 55 Gal: 2%, Lighting Interior Hid: 1%, Cooling: <1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%

Figure C-4.70. Achievable Technical Potential - Idaho: Commercial Restaurant by End Use

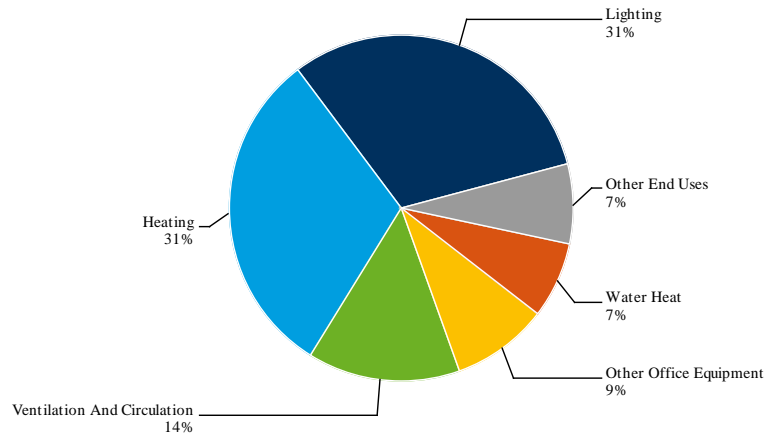
Total: 0 aMW



Note: 'Other End Uses' includes:
 Heating: 2%, Appliances: 2%, Cooling: <1%, Water Heat Gt 55 Gal: <1%, Lighting Interior Hid: <1%

Figure C-4.71. Achievable Technical Potential - Idaho: Commercial School by End Use

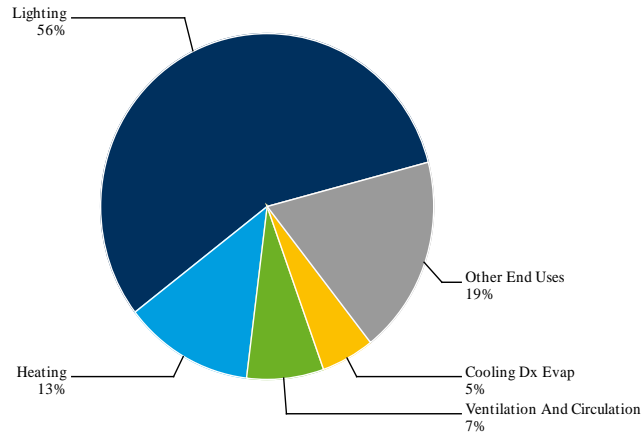
Total: 2 aMW



Note: 'Other End Uses' includes:
 Cooling Dx Evap: 3%, Water Heat Le 55 Gal: 2%, Cooling: 1%, Appliances: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

Figure C-4.72. Achievable Technical Potential - Idaho: Commercial Warehouse by End Use

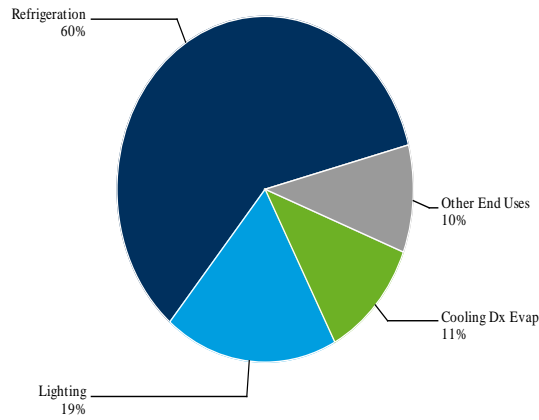
Total: 1 aMW



Note: 'Other End Uses' includes: Other Office Equipment: 4%, Lighting Interior Hid: 4%, Heat Pump: 4%, Water Heat: 3%, Water Heat Le 55 Gal: 1%, Cooling: <1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.73. Achievable Technical Potential - Utah: Commercial Grocery by End Use

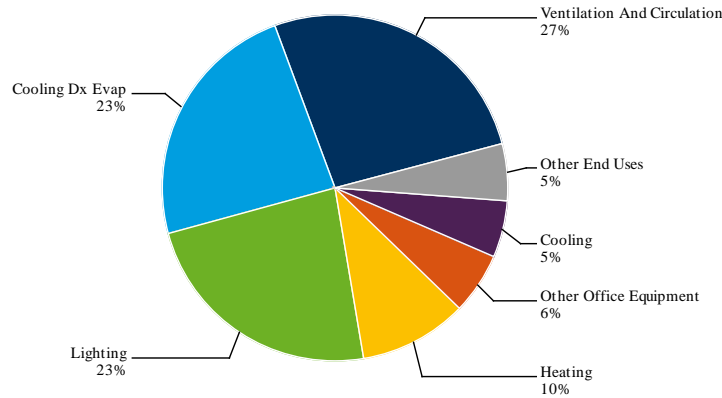
Total: 10 aMW



Note: 'Other End Uses' includes: Ventilation And Circulation: 4%, Heating: 2%, Other Office Equipment: 1%, Heat Pump: 1%, Cooling: <1%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Water Heat: <1%, Cooking: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.74. Achievable Technical Potential - Utah: Commercial Health by End Use

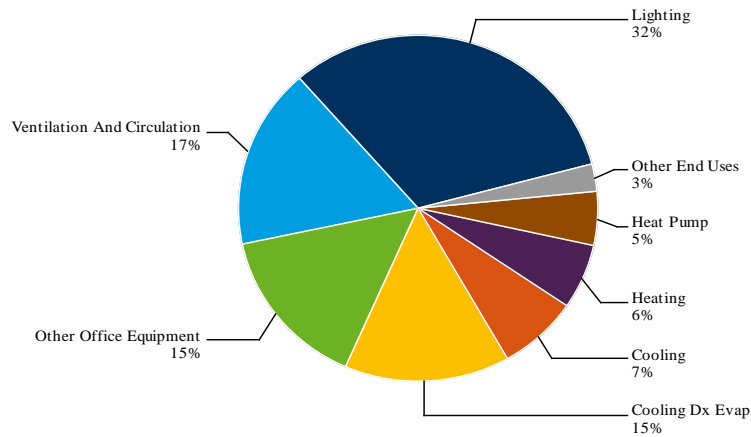
Total: 5 aMW



Note: 'Other End Uses' includes:
 Heat Pump: 2%, Water Heat: 1%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

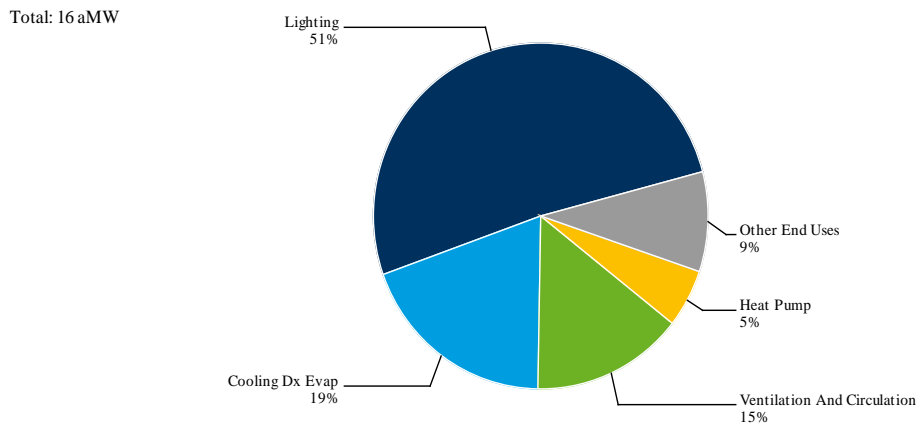
Figure C-4.75. Achievable Technical Potential - Utah: Commercial Office by End Use

Total: 31 aMW



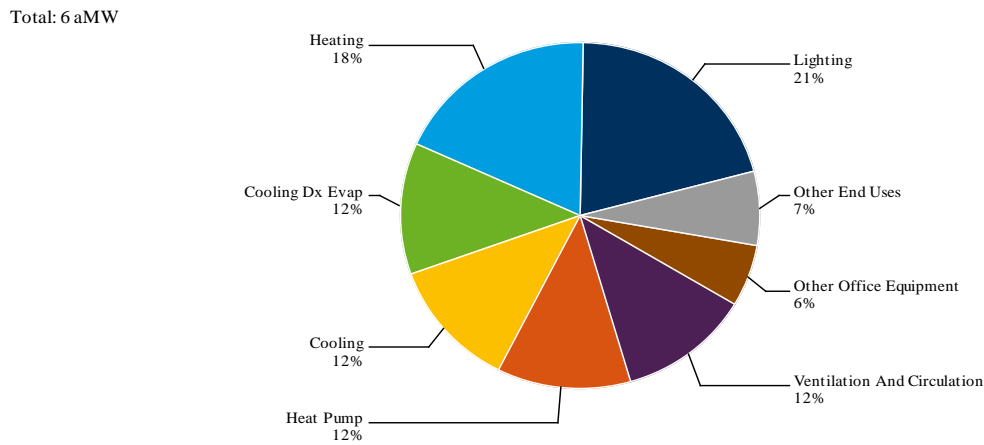
Note: 'Other End Uses' includes:
 Water Heat: 1%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.76. Achievable Technical Potential - Utah: Commercial Retail by End Use



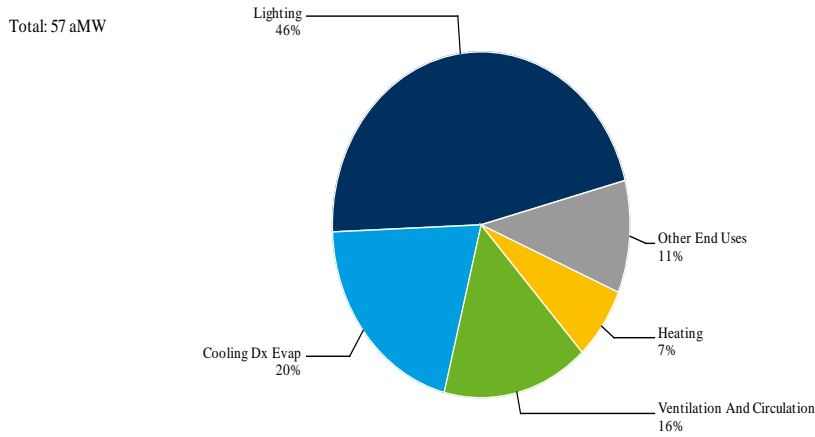
Note: 'Other End Uses' includes:
 Heating: 3%, Other Office Equipment: 3%, Water Heat: 1%, Cooling: <1%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.77. Achievable Technical Potential - Utah: Commercial Lodging by End Use



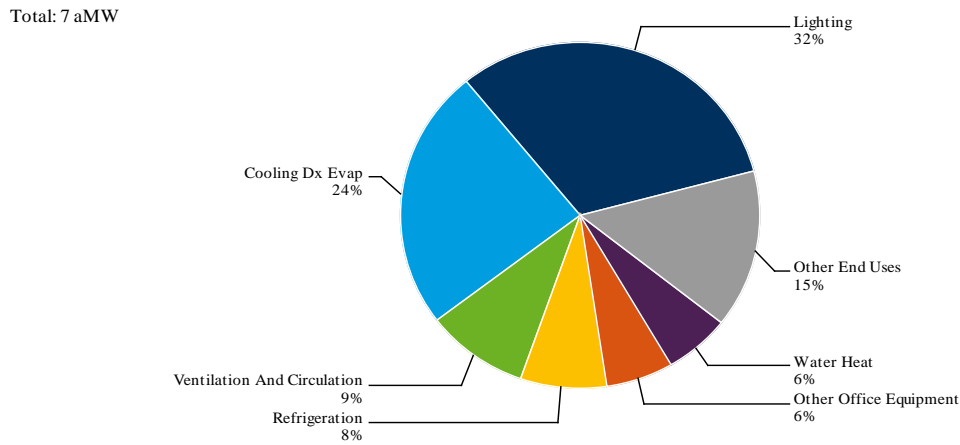
Note: 'Other End Uses' includes:
 Water Heat Le 55 Gal: 3%, Water Heat: 2%, Appliances: 1%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%, Cooking: <1%, Lighting Interior Hid: <1%

**Figure C-4.78. Achievable Technical Potential - Utah:
Commercial Miscellaneous by End Use**



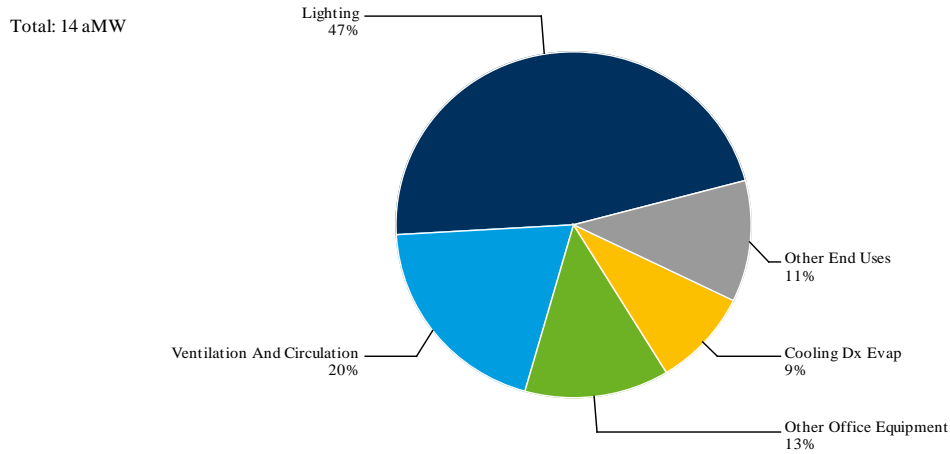
Note: 'Other End Uses' includes:
Other Office Equipment: 4%, Heat Pump: 2%, Lighting Interior Hid: 1%, Cooling: 1%, Water Heat: <1%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%

**Figure C-4.79. Achievable Technical Potential - Utah:
Commercial Restaurant by End Use**



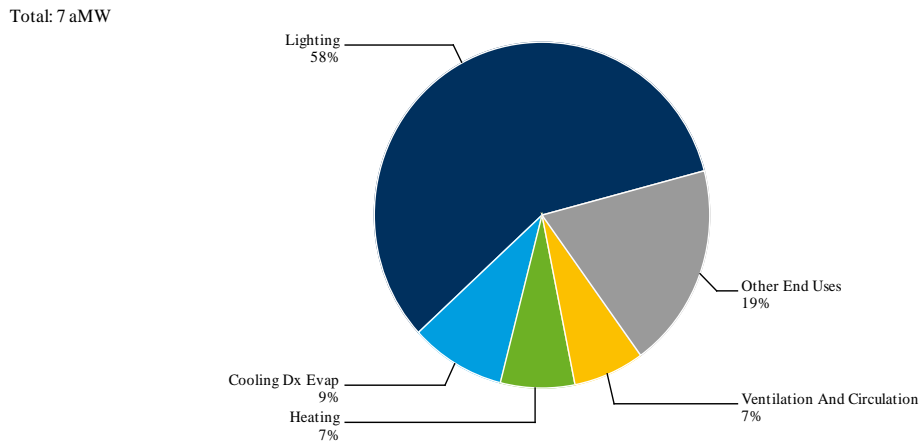
Note: 'Other End Uses' includes:
Heating: 5%, Water Heat Le 55 Gal: 5%, Cooking: 3%, Appliances: 2%, Cooling: <1%, Water Heat Gt 55 Gal: <1%, Lighting Interior Hid: <1%

**Figure C-4.80. Achievable Technical Potential - Utah:
Commercial School by End Use**



Note: 'Other End Uses' includes:
Water Heat: 5%, Cooling: 4%, Water Heat Le 55 Gal: 1%, Appliances: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

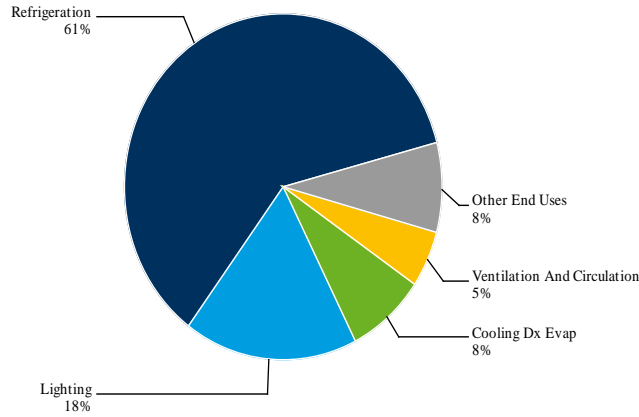
**Figure C-4.81. Achievable Technical Potential - Utah:
Commercial Warehouse by End Use**



Note: 'Other End Uses' includes:
Lighting Interior Hid: 5%, Other Office Equipment: 4%, Heat Pump: 3%, Water Heat: 3%, Cooling: 1%, Water Heat Le 55 Gal: 1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.82. Achievable Technical Potential - Washington: Commercial Grocery by End Use

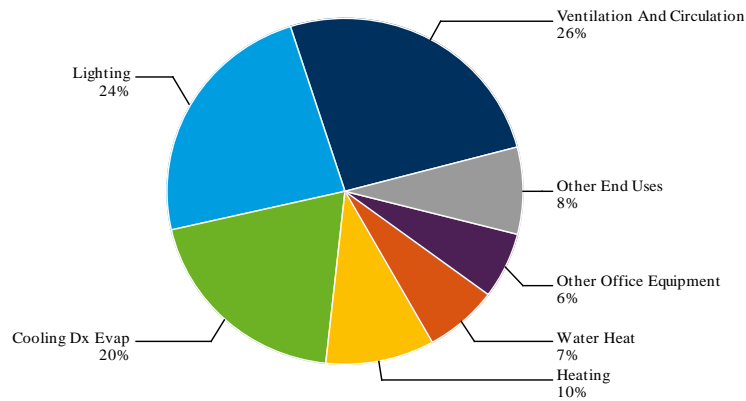
Total: 3 aMW



Note: 'Other End Uses' includes: Heating: 3%, Other Office Equipment: 3%, Heat Pump: 1%, Water Heat Le 55 Gal: <1%, Water Heat: <1%, Cooking: <1%, Cooling: <1%, Appliances: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.83. Achievable Technical Potential - Washington: Commercial Health by End Use

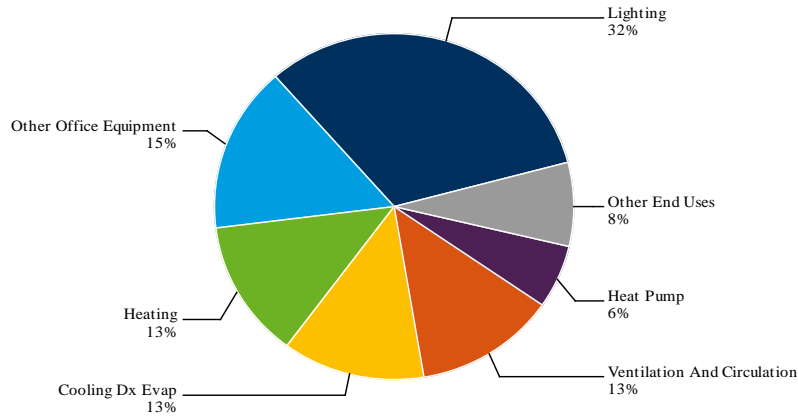
Total: 1 aMW



Note: 'Other End Uses' includes: Heat Pump: 3%, Cooling: 2%, Water Heat Le 55 Gal: 2%, Appliances: <1%, Refrigeration: <1%, Water Heat Gt 55 Gal: <1%, Lighting Interior Hid: <1%, Cooking: <1%

Figure C-4.84. Achievable Technical Potential - Washington: Commercial Office by End Use

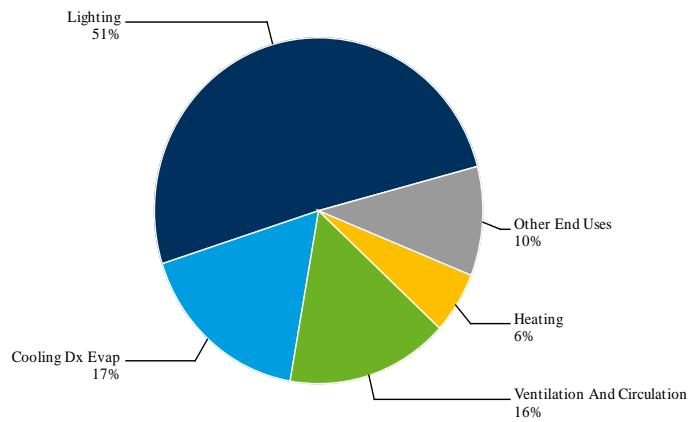
Total: 3 aMW



Note: 'Other End Uses' includes:
 Cooling: 4%, Water Heat: 3%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.85. Achievable Technical Potential - Washington: Commercial Retail by End Use

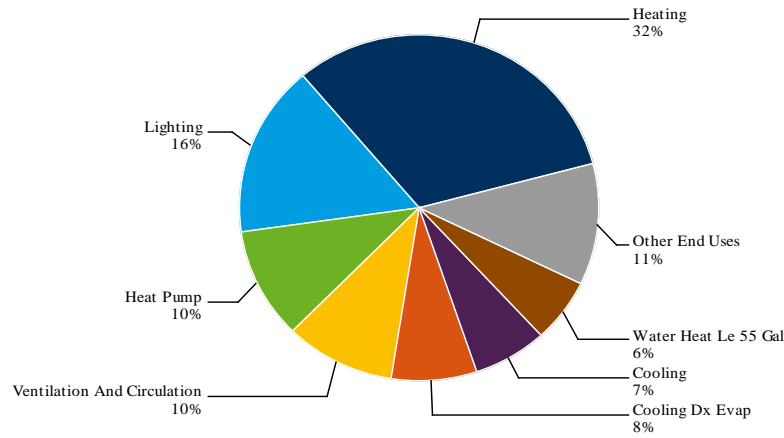
Total: 2 aMW



Note: 'Other End Uses' includes:
 Heat Pump: 4%, Water Heat: 2%, Other Office Equipment: 2%, Cooling: <1%, Lighting Interior Hid: <1%, Water Heat Le 55 Gal: <1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.86. Achievable Technical Potential - Washington: Commercial Lodging by End Use

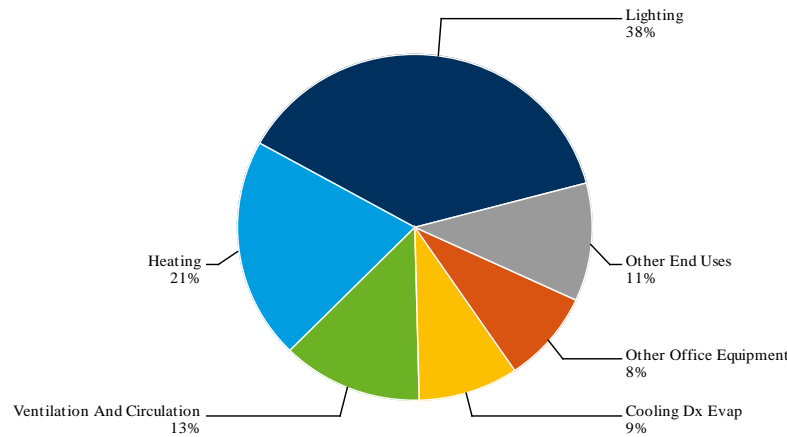
Total: 0 aMW



Note: 'Other End Uses' includes: Water Heat: 5%, Other Office Equipment: 5%, Appliances: 1%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%, Cooking: <1%

Figure C-4.87. Achievable Technical Potential - Washington: Commercial Miscellaneous by End Use

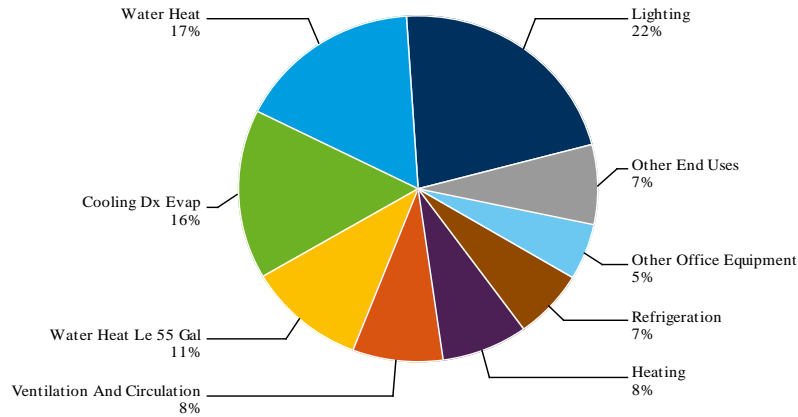
Total: 8 aMW



Note: 'Other End Uses' includes: Water Heat: 3%, Heat Pump: 3%, Water Heat Le 55 Gal: 2%, Lighting Interior Hid: 2%, Cooling: 1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%

Figure C-4.88. Achievable Technical Potential - Washington: Commercial Restaurant by End Use

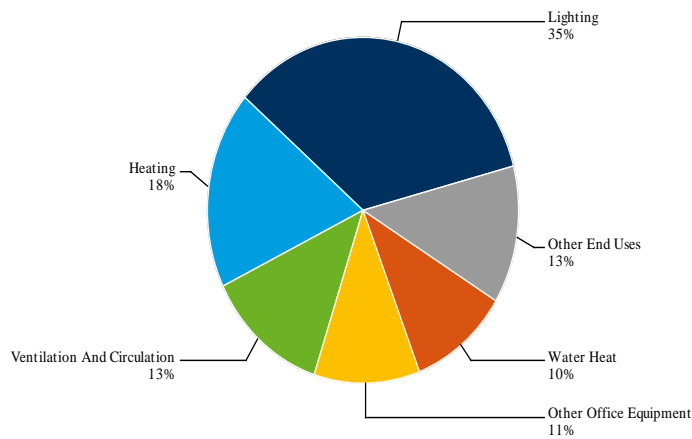
Total: 1 aMW



Note: 'Other End Uses' includes:
 Cooking: 5%, Water Heat Gt 55 Gal: 1%, Heat Pump: <1%, Cooling: <1%, Appliances: <1%, Lighting Interior Hid: <1%

Figure C-4.89. Achievable Technical Potential - Washington: Commercial School by End Use

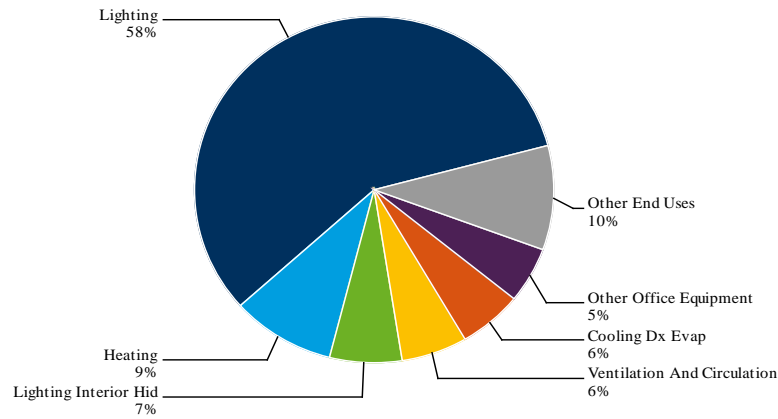
Total: 2 aMW



Note: 'Other End Uses' includes:
 Heat Pump: 5%, Cooling Dx Evap: 4%, Water Heat Le 55 Gal: 2%, Cooling: <1%, Refrigeration: <1%, Appliances: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

**Figure C-4.90. Achievable Technical Potential - Washington:
Commercial Warehouse by End Use**

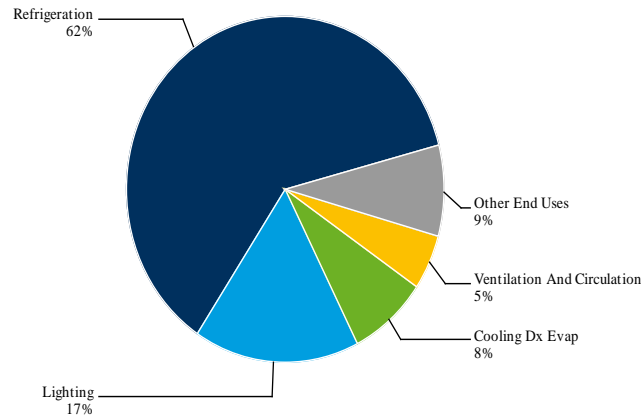
Total: 0 aMW



Note: 'Other End Uses' includes:
Water Heat: 4%, Heat Pump: 2%, Water Heat Le 55 Gal: 2%, Cooling: <1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%

**Figure C-4.91. Achievable Technical Potential - Wyoming:
Commercial Grocery by End Use**

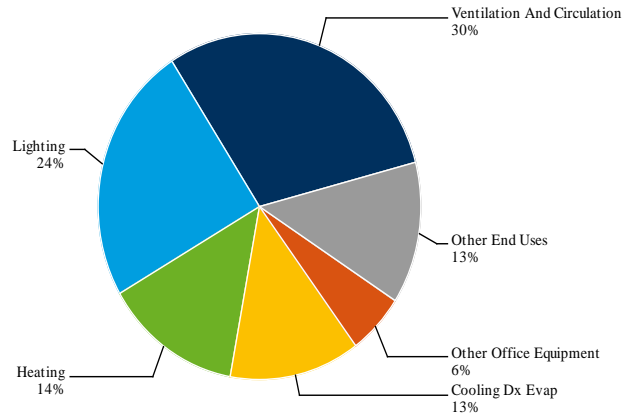
Total: 2 aMW



Note: 'Other End Uses' includes:
Heating: 3%, Other Office Equipment: 2%, Heat Pump: 1%, Water Heat Le 55 Gal: <1%, Water Heat: <1%, Appliances: <1%, Cooking: <1%, Cooling: <1%, Water Heat Gt 55 Gal: <1%, Lighting Interior Hid: <1%

Figure C-4.92. Achievable Technical Potential - Wyoming: Commercial Health by End Use

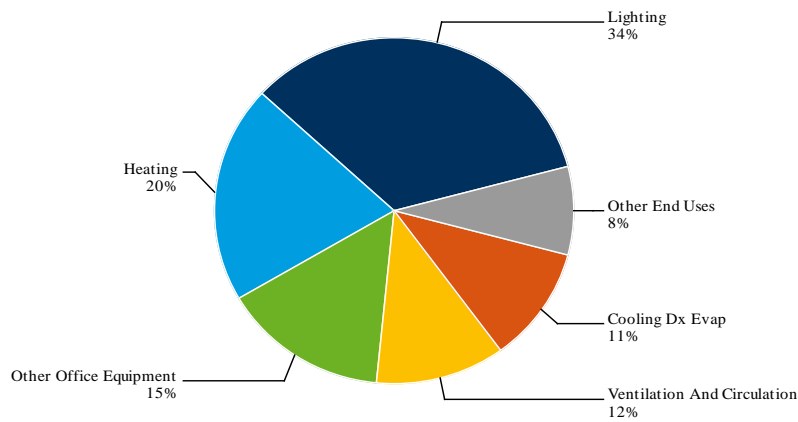
Total: 1 aMW



Note: 'Other End Uses' includes: Water Heat: 5%, Heat Pump: 4%, Cooling: 2%, Water Heat Le 55 Gal: 1%, Appliances: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

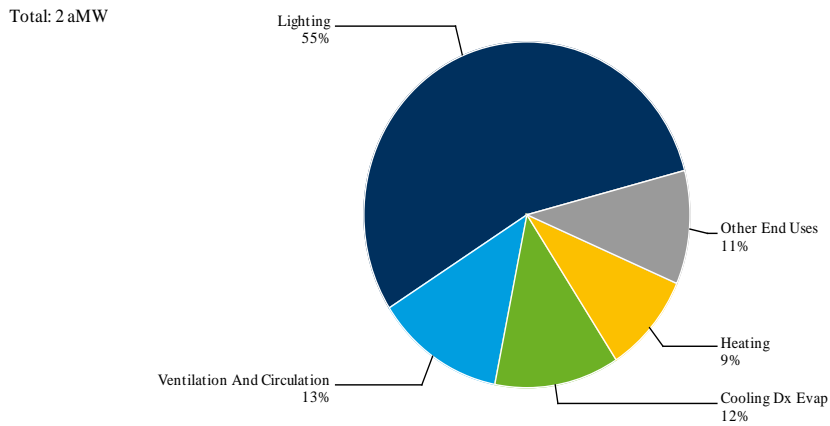
Figure C-4.93. Achievable Technical Potential - Wyoming: Commercial Office by End Use

Total: 4 aMW



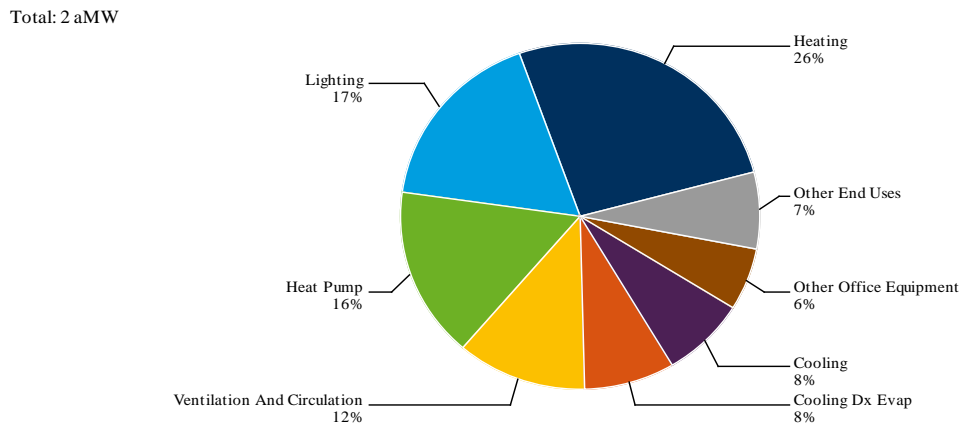
Note: 'Other End Uses' includes: Heat Pump: 3%, Cooling: 2%, Water Heat: 2%, Appliances: <1%, Water Heat Le 55 Gal: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%

Figure C-4.94. Achievable Technical Potential - Wyoming: Commercial Retail by End Use



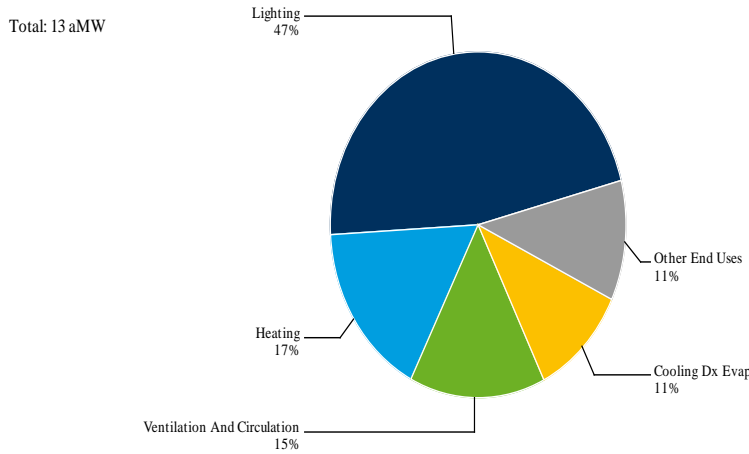
Note: 'Other End Uses' includes:
 Heat Pump: 5%, Other Office Equipment: 4%, Water Heat: <1%, Appliances: <1%, Cooling: <1%, Water Heat Le 55 Gal: <1%, Lighting Interior Hid: <1%, Water Heat Ct 55 Gal: <1%

Figure C-4.95. Achievable Technical Potential - Wyoming: Commercial Lodging by End Use



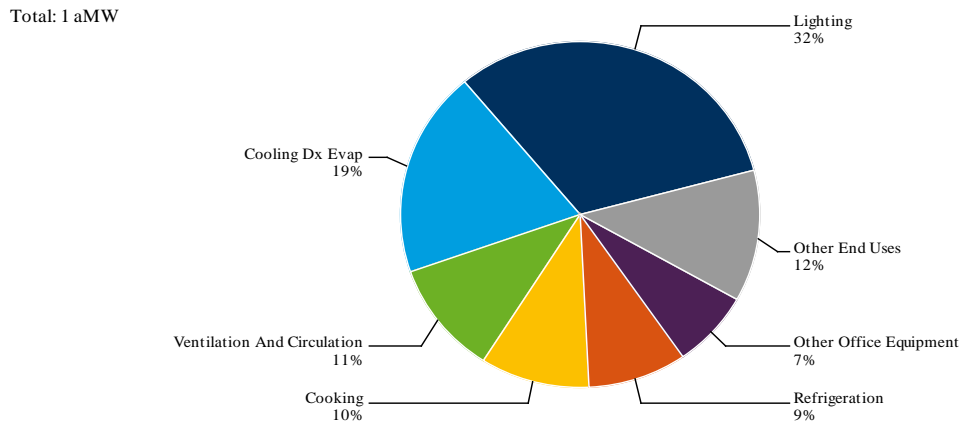
Note: 'Other End Uses' includes:
 Water Heat Le 55 Gal: 4%, Water Heat: 2%, Appliances: <1%, Water Heat Ct 55 Gal: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%

Figure C-4.96. Achievable Technical Potential - Wyoming: Commercial Miscellaneous by End Use



Note: 'Other End Uses' includes:
 Other Office Equipment: 4%, Heat Pump: 3%, Lighting Interior Hid: 2%, Water Heat Le 55 Gal: <1%, Water Heat: <1%, Appliances: <1%, Cooling: <1%, Water Heat Gt 55 Gal: <1%, Refrigeration: <1%

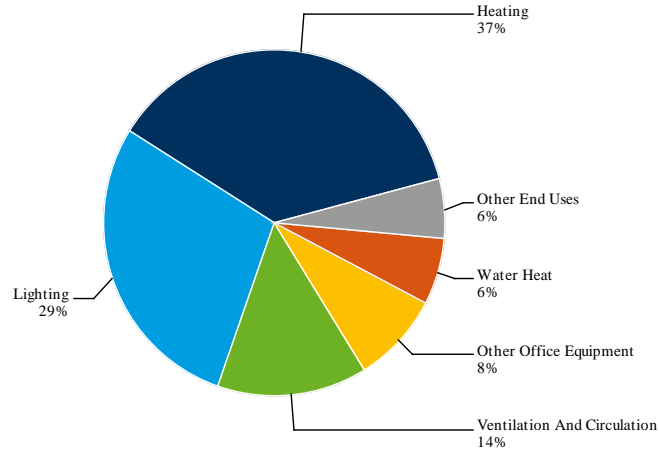
Figure C-4.97. Achievable Technical Potential - Wyoming: Commercial Restaurant by End Use



Note: 'Other End Uses' includes:
 Heating: 4%, Water Heat: 3%, Water Heat Le 55 Gal: 3%, Appliances: 2%, Cooling: <1%, Water Heat Gt 55 Gal: <1%, Lighting Interior Hid: <1%

Figure C-4.98. Achievable Technical Potential - Wyoming: Commercial School by End Use

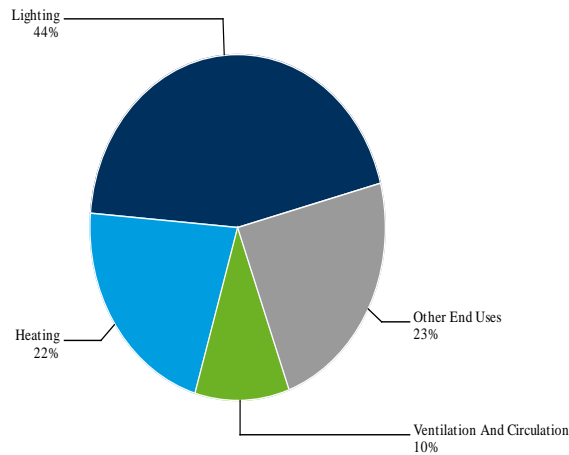
Total: 4 aMW



Note: 'Other End Uses' includes: Cooling Dx Evap: 2%, Water Heat Le 55 Gal: 2%, Cooling: <1%, Appliances: <1%, Refrigeration: <1%, Lighting Interior Hid: <1%, Water Heat Gt 55 Gal: <1%, Cooking: <1%

Figure C-4.99. Achievable Technical Potential - Wyoming: Commercial Warehouse by End Use

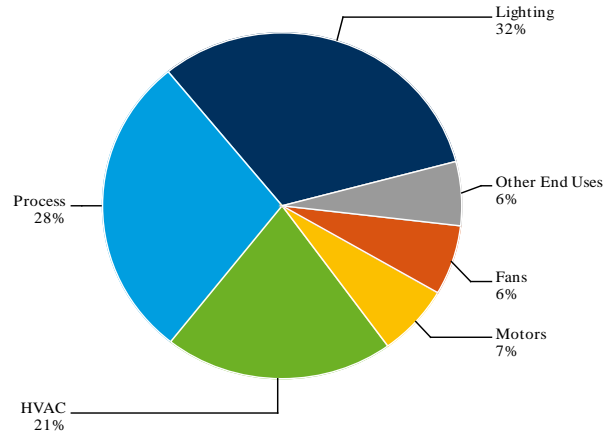
Total: 1 aMW



Note: 'Other End Uses' includes: Heat Pump: 5%, Cooling Dx Evap: 5%, Lighting Interior Hid: 4%, Other Office Equipment: 4%, Water Heat: 4%, Water Heat Le 55 Gal: 1%, Cooling: <1%, Appliances: <1%, Water Heat Gt 55 Gal: <1%

**Figure C-4.100. Achievable Technical Potential - California:
Industrial Mach./Equip by End Use**

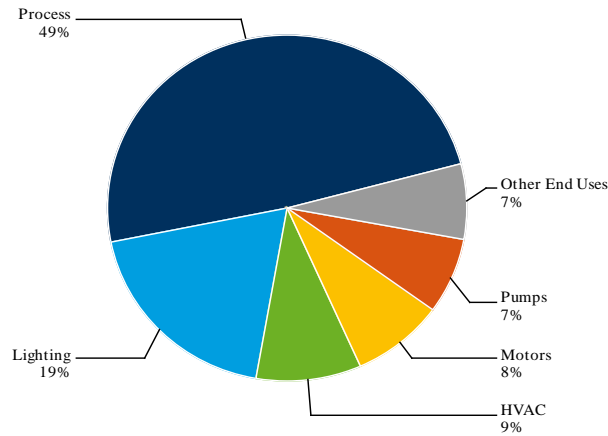
Total: 0 aMW



Note: 'Other End Uses' includes:
Other: 4%, Pumps: 2%

**Figure C-4.101. Achievable Technical Potential - California:
Industrial Food by End Use**

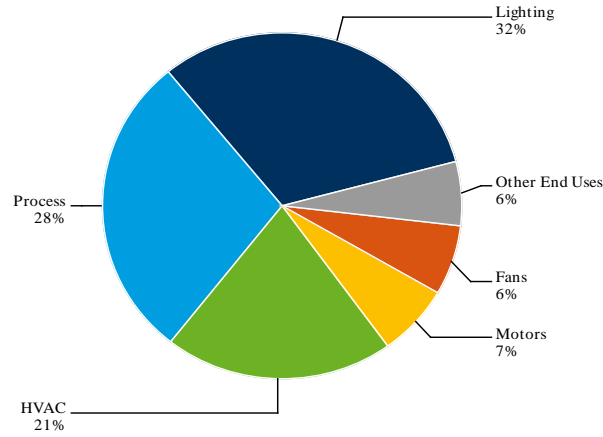
Total: 0 aMW



Note: 'Other End Uses' includes:
Other: 5%, Fans: 2%

**Figure C-4.102. Achievable Technical Potential - California:
Industrial Mach./Equip by End Use**

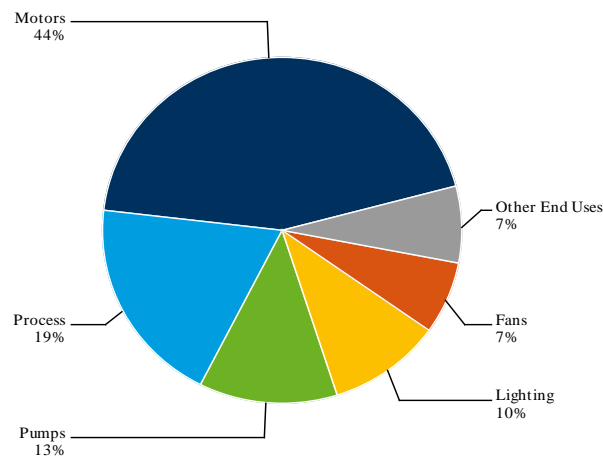
Total: 0 aMW



Note: 'Other End Uses' includes:
Other: 4%, Pumps: 2%

**Figure C-4.103. Achievable Technical Potential - California:
Industrial Lumber by End Use**

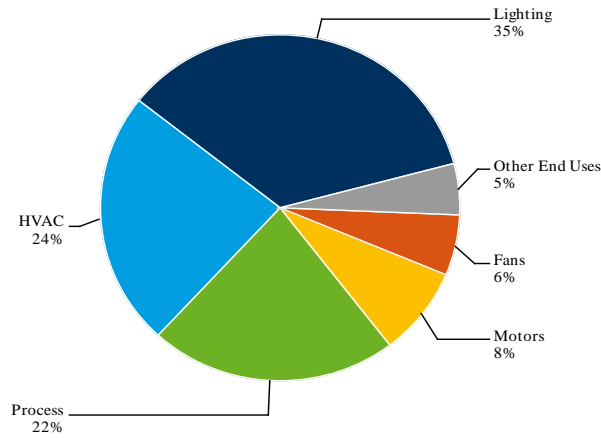
Total: 0 aMW



Note: 'Other End Uses' includes:
HVAC: 5%, Other: 3%

**Figure C-4.104. Achievable Technical Potential - California:
Industrial Miscellaneous Mfg by End Use**

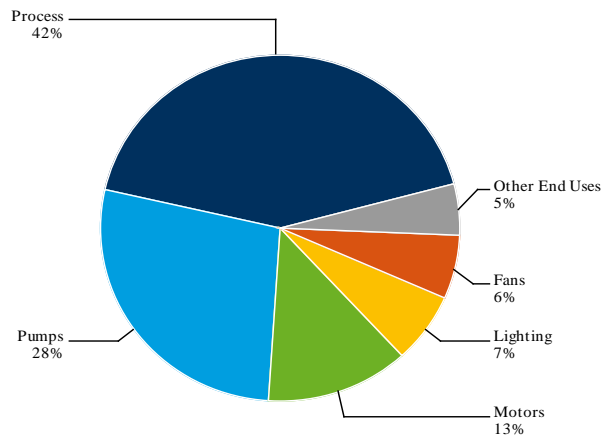
Total: 0 aMW



Note: 'Other End Uses' includes:
Other: 2%, Pumps: 2%

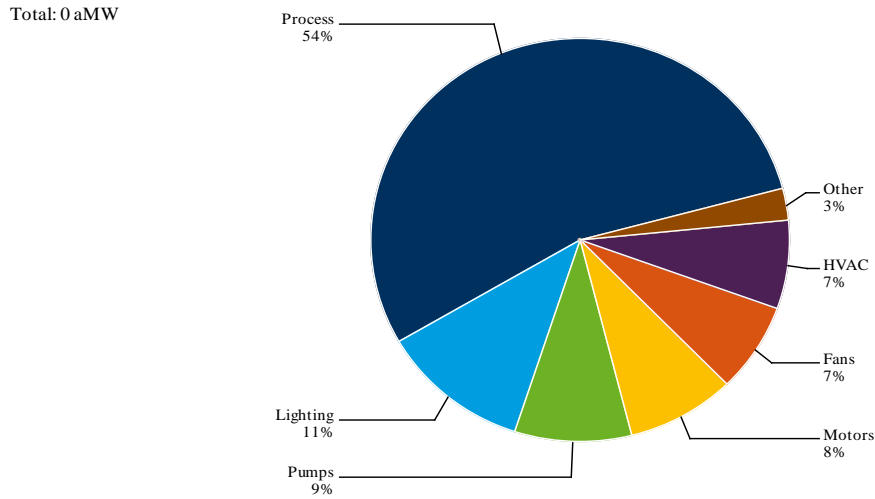
**Figure C-4.105. Achievable Technical Potential - California:
Industrial Petroleum by End Use**

Total: 0 aMW

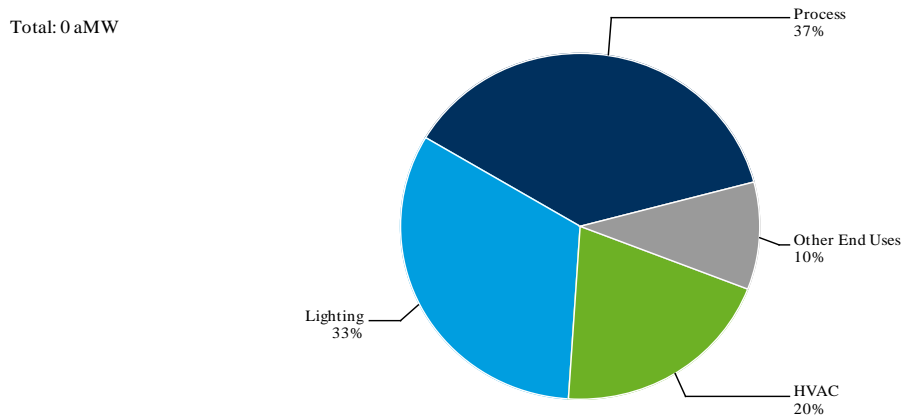


Note: 'Other End Uses' includes:
HVAC: 4%, Other: <1%

**Figure C-4.106. Achievable Technical Potential - California:
Industrial Stone Clay Glass Products by End Use**



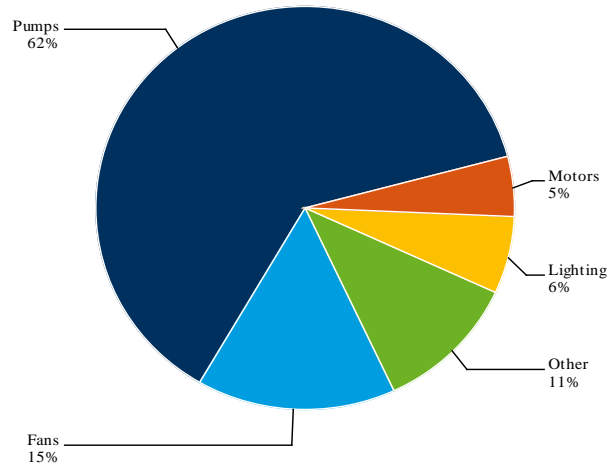
**Figure C-4.107. Achievable Technical Potential - California:
Industrial Transportation by End Use**



Note: 'Other End Uses' includes:
Motors: 4%, Fans: 2%, Other: 2%, Pumps: 2%

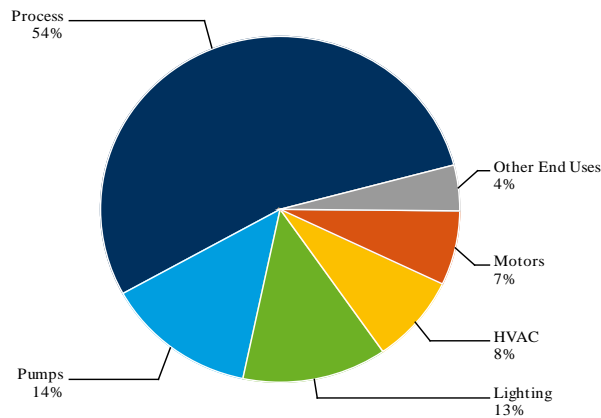
**Figure C-4.108. Achievable Technical Potential - California:
Industrial Water/Wastewater by End Use**

Total: 0 aMW



**Figure C-4.109. Achievable Technical Potential - Idaho:
Industrial Chemicals by End Use**

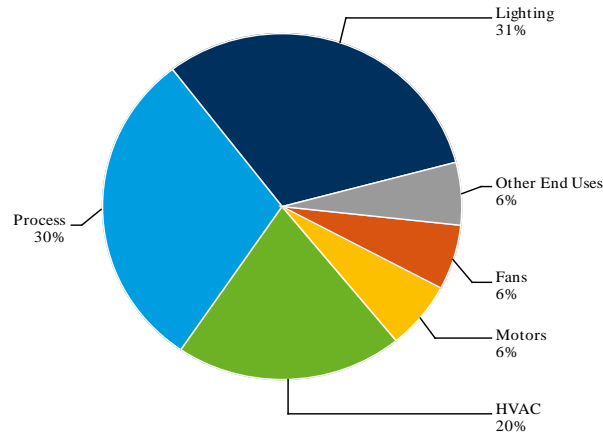
Total: 0 aMW



Note: 'Other End Uses' includes:
Fans: 3%, Other: 1%

Figure C-4.110. Achievable Technical Potential - Idaho: Industrial Mach./Equip by End Use

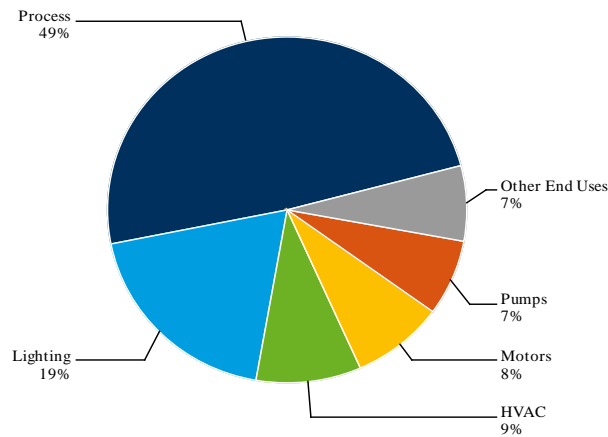
Total: 0 aMW



Note: 'Other End Uses' includes:
Other: 4%, Pumps: 2%

Figure C-4.111. Achievable Technical Potential - Idaho: Industrial Food by End Use

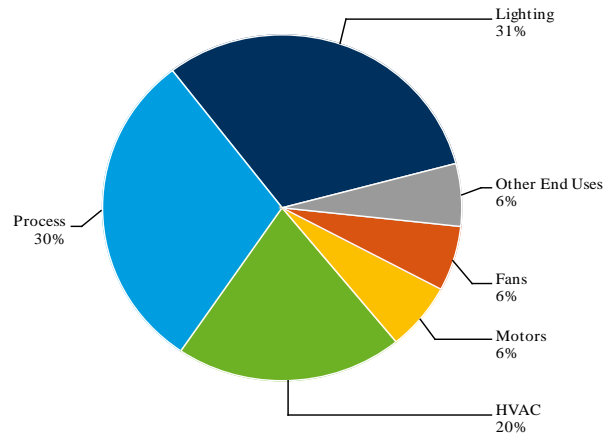
Total: 0 aMW



Note: 'Other End Uses' includes:
Other: 5%, Fans: 2%

Figure C-4.112. Achievable Technical Potential - Idaho: Industrial Mach./Equip by End Use

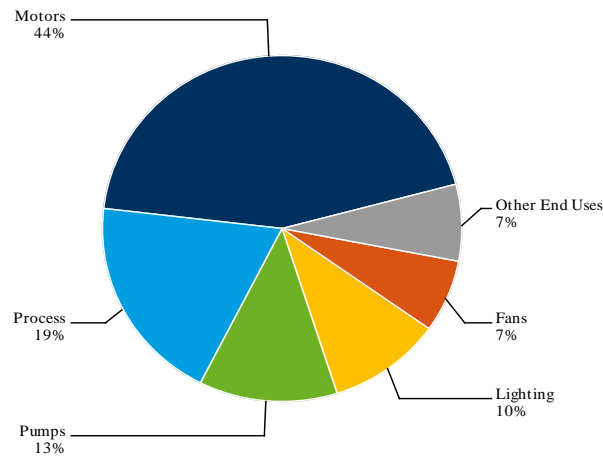
Total: 0 aMW



Note: 'Other End Uses' includes:
Other: 4%, Pumps: 2%

Figure C-4.113. Achievable Technical Potential - Idaho: Industrial Lumber by End Use

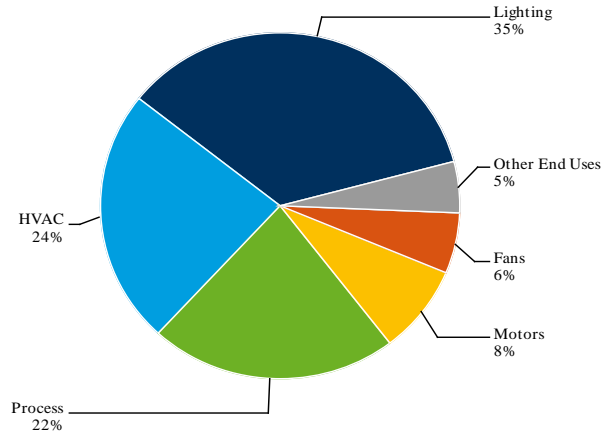
Total: 0 aMW



Note: 'Other End Uses' includes:
HVAC: 5%, Other: 3%

Figure C-4.114. Achievable Technical Potential - Idaho: Industrial Miscellaneous Mfg by End Use

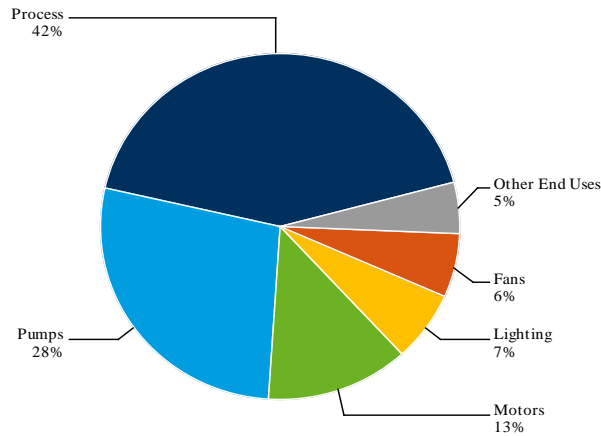
Total: 0 aMW



Note: 'Other End Uses' includes:
Other: 2%, Pumps: 2%

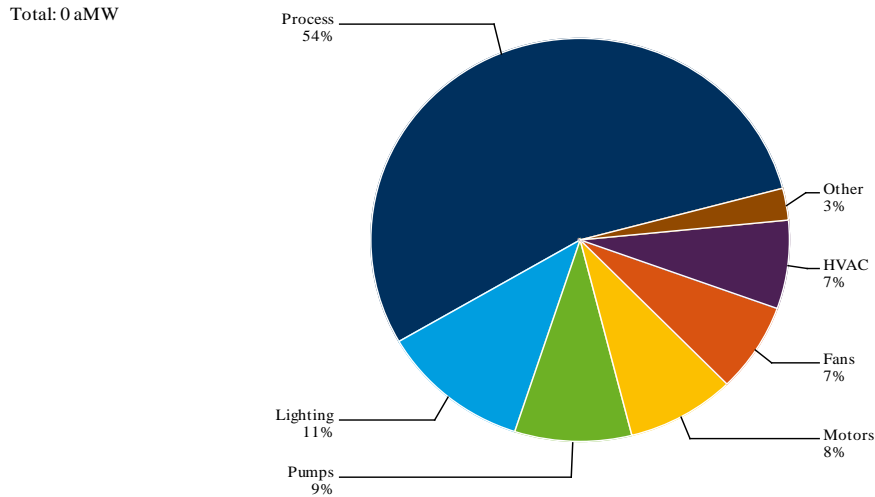
Figure C-4.115. Achievable Technical Potential - Idaho: Industrial Petroleum by End Use

Total: 0 aMW

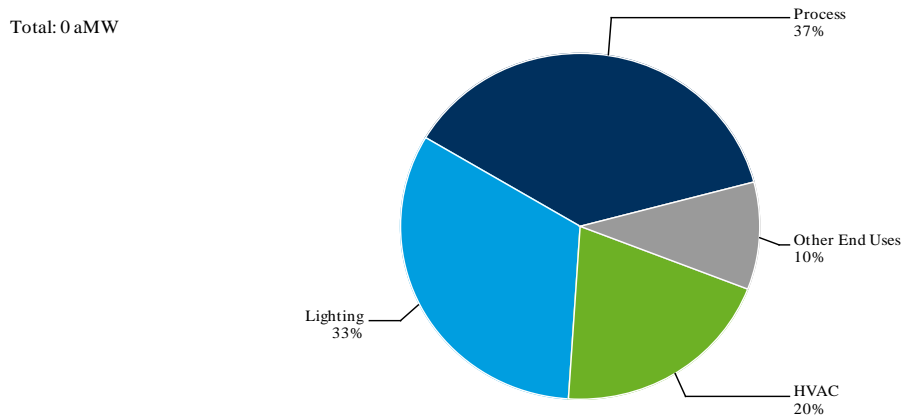


Note: 'Other End Uses' includes:
HVAC: 4%, Other: <1%

**Figure C-4.116. Achievable Technical Potential - Idaho:
Industrial Stone Clay Glass Products by End Use**



**Figure C-4.117. Achievable Technical Potential - Idaho:
Industrial Transportation by End Use**



Note: 'Other End Uses' includes:
Motors: 4%, Fans: 2%, Other: 2%, Pumps: 2%

Figure C-4.118. Achievable Technical Potential - Idaho: Industrial Water/Wastewater by End Use

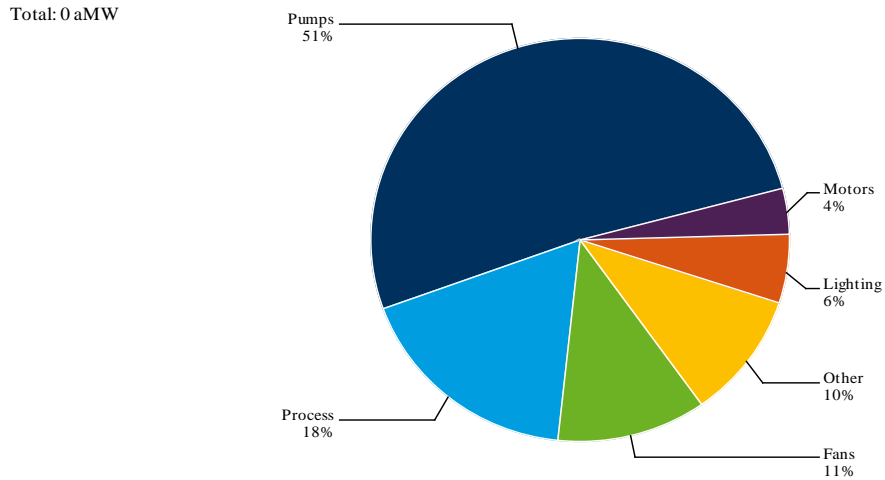


Figure C-4.119. Achievable Technical Potential - Utah: Industrial Chemicals by End Use

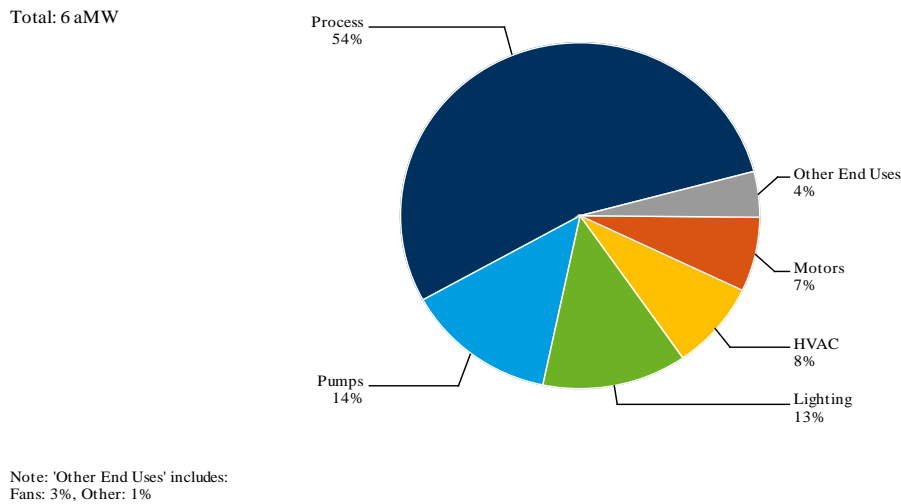
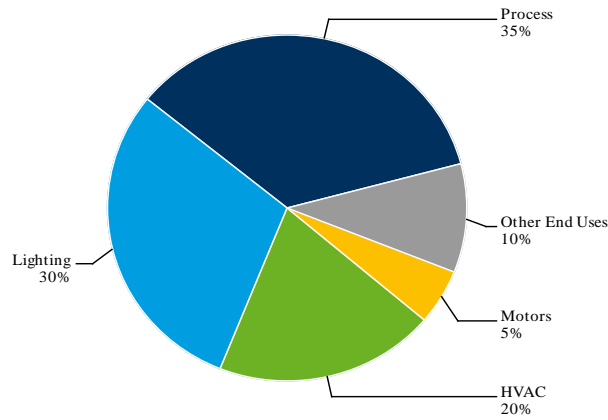


Figure C-4.120. Achievable Technical Potential - Utah: Industrial Mach./Equip by End Use

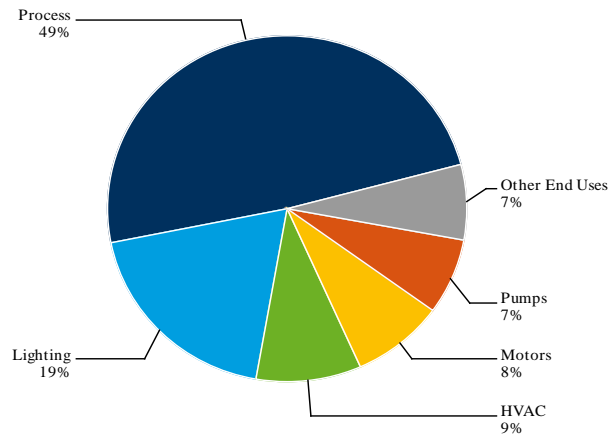
Total: 20 aMW



Note: 'Other End Uses' includes:
Fans: 5%, Other: 4%, Pumps: 2%

Figure C-4.121. Achievable Technical Potential - Utah: Industrial Food by End Use

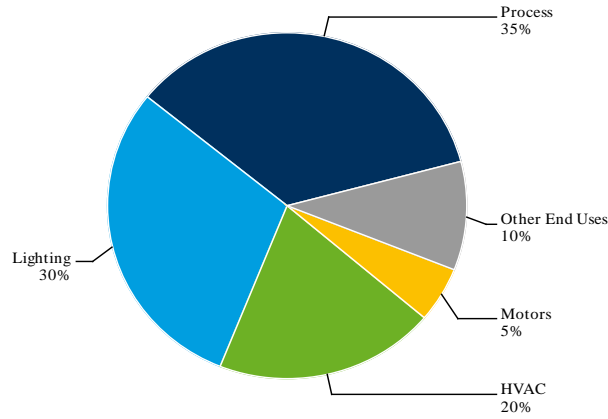
Total: 10 aMW



Note: 'Other End Uses' includes:
Other: 5%, Fans: 2%

**Figure C-4.122. Achievable Technical Potential - Utah:
Industrial Mach./Equip by End Use**

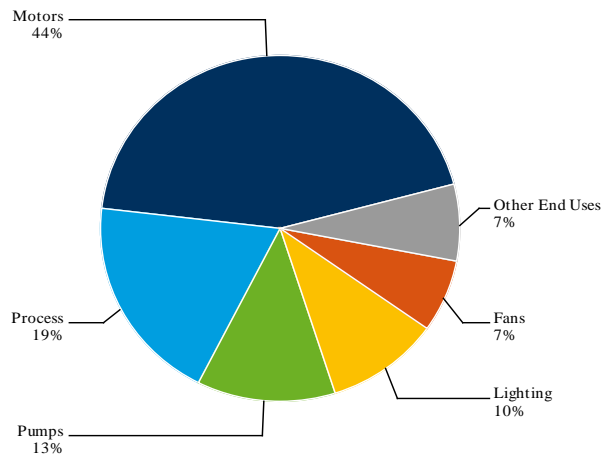
Total: 20 aMW



Note: 'Other End Uses' includes:
Fans: 5%, Other: 4%, Pumps: 2%

**Figure C-4.123. Achievable Technical Potential - Utah:
Industrial Lumber by End Use**

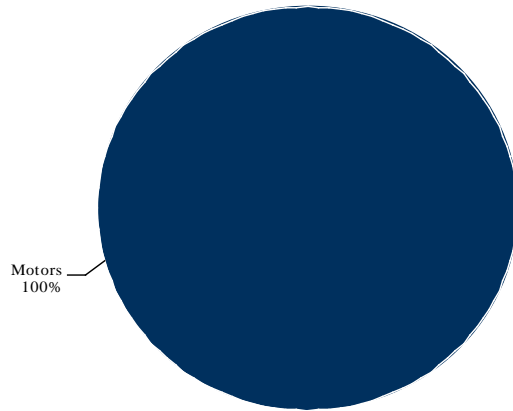
Total: 8 aMW



Note: 'Other End Uses' includes:
HVAC: 5%, Other: 3%

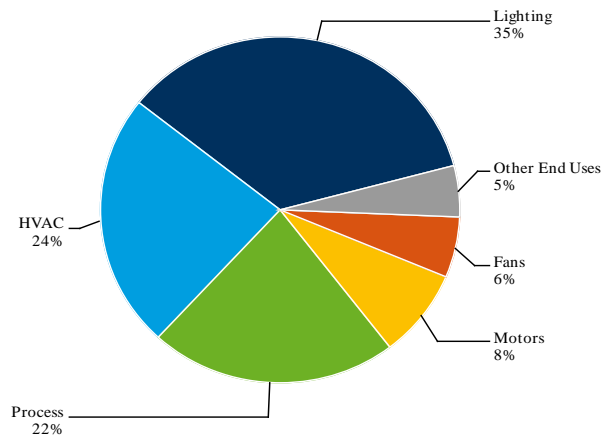
**Figure C-4.124. Achievable Technical Potential - Utah:
Industrial Mining by End Use**

Total: 1 aMW



**Figure C-4.125. Achievable Technical Potential - Utah:
Industrial Miscellaneous Mfg by End Use**

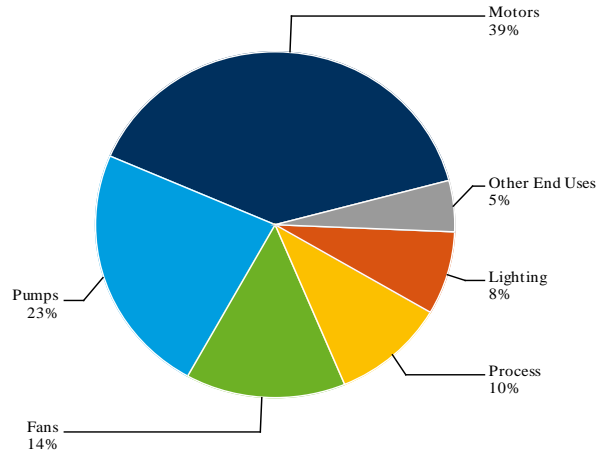
Total: 21 aMW



Note: 'Other End Uses' includes:
Other: 2%, Pumps: 2%

**Figure C-4.126. Achievable Technical Potential - Utah:
Industrial Paper by End Use**

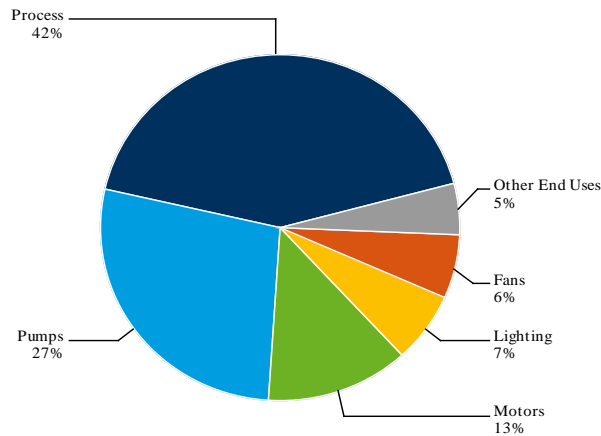
Total: 3 aMW



Note: 'Other End Uses' includes:
HVAC: 4%, Other: 1%

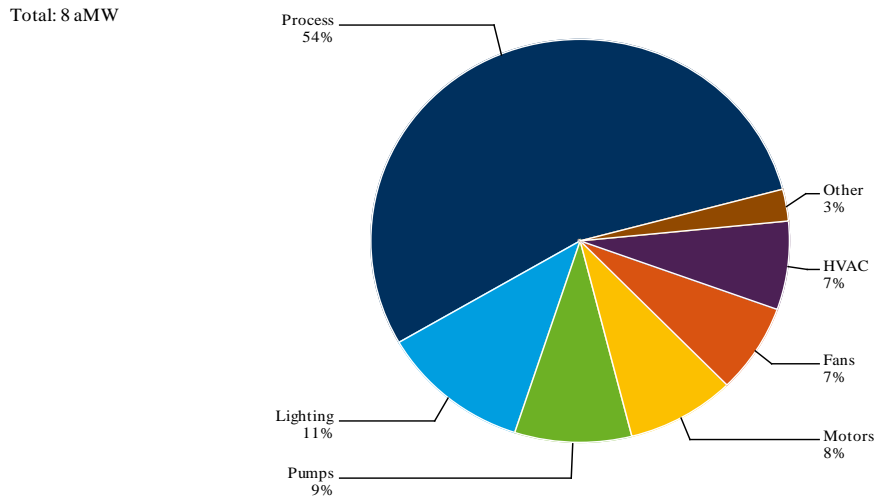
**Figure C-4.127. Achievable Technical Potential - Utah:
Industrial Petroleum by End Use**

Total: 1 aMW

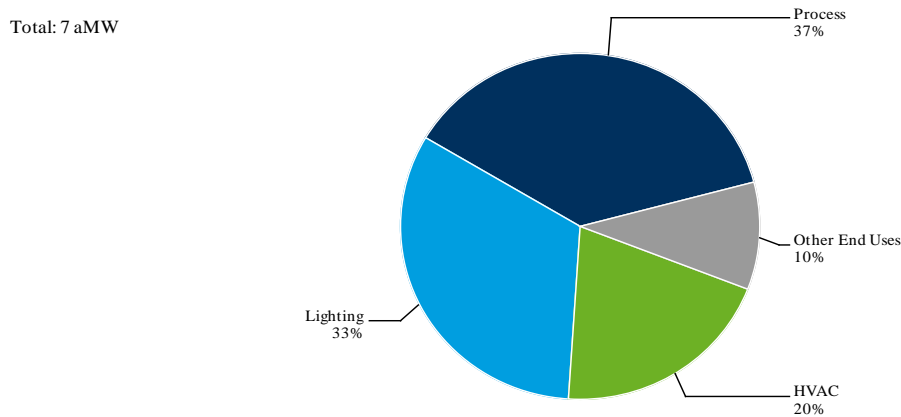


Note: 'Other End Uses' includes:
HVAC: 4%, Other: <1%

**Figure C-4.128. Achievable Technical Potential - Utah:
Industrial Stone Clay Glass Products by End Use**

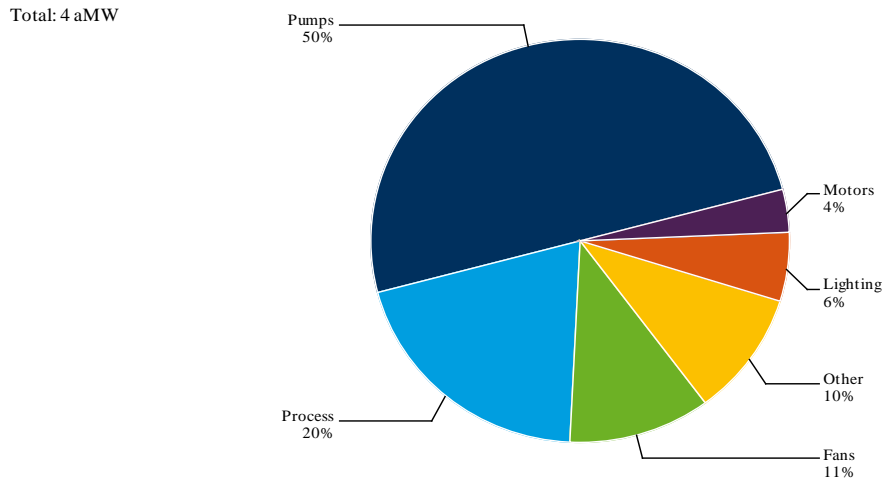


**Figure C-4.129. Achievable Technical Potential - Utah:
Industrial Transportation by End Use**

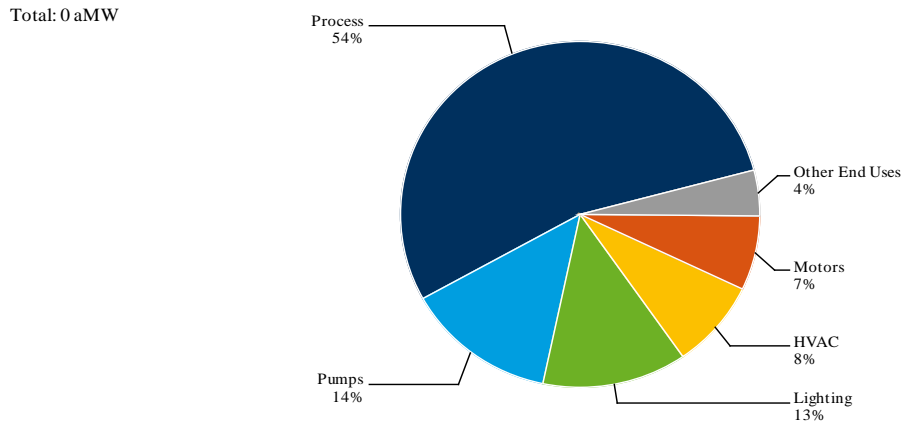


Note: 'Other End Uses' includes:
Motors: 4%, Fans: 2%, Other: 2%, Pumps: 2%

**Figure C-4.130. Achievable Technical Potential - Utah:
Industrial Water/Wastewater by End Use**



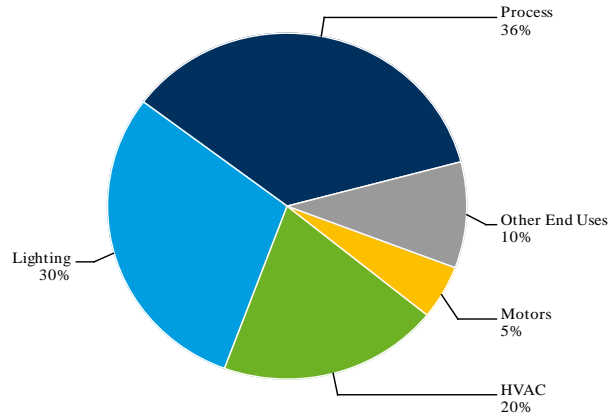
**Figure C-4.131. Achievable Technical Potential - Washington:
Industrial Chemicals by End Use**



Note: 'Other End Uses' includes:
Fans: 3%, Other: 1%

**Figure C-4.132. Achievable Technical Potential - Washington:
Industrial Mach./Equip by End Use**

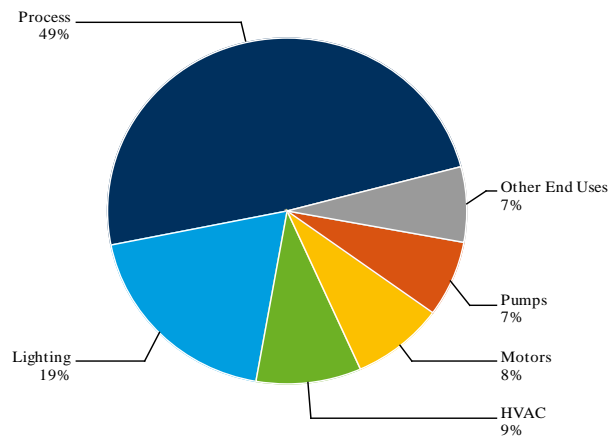
Total: 3 aMW



Note: 'Other End Uses' includes:
Fans: 4%, Other: 4%, Pumps: 2%

**Figure C-4.133. Achievable Technical Potential - Washington:
Industrial Food by End Use**

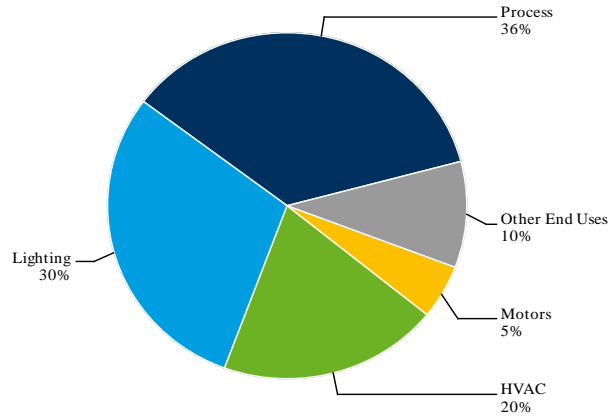
Total: 2 aMW



Note: 'Other End Uses' includes:
Other: 5%, Fans: 2%

**Figure C-4.134. Achievable Technical Potential - Washington:
Industrial Mach./Equip by End Use**

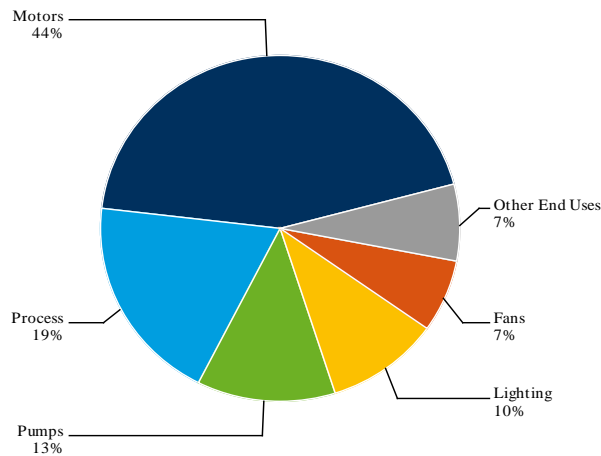
Total: 3 aMW



Note: 'Other End Uses' includes:
Fans: 4%, Other: 4%, Pumps: 2%

**Figure C-4.135. Achievable Technical Potential - Washington:
Industrial Lumber
by End Use**

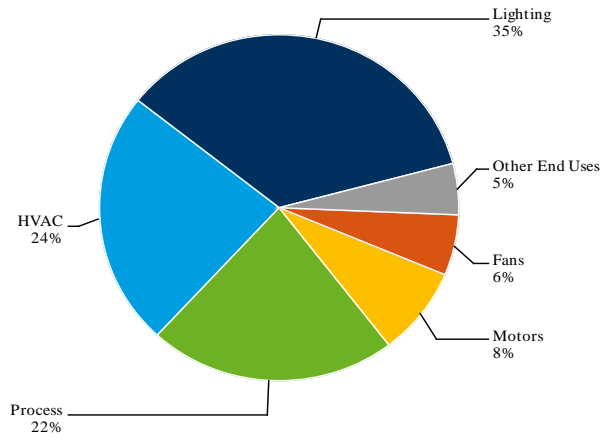
Total: 1 aMW



Note: 'Other End Uses' includes:
HVAC: 5%, Other: 3%

**Figure C-4.136. Achievable Technical Potential - Washington:
Industrial Miscellaneous Mfg by End Use**

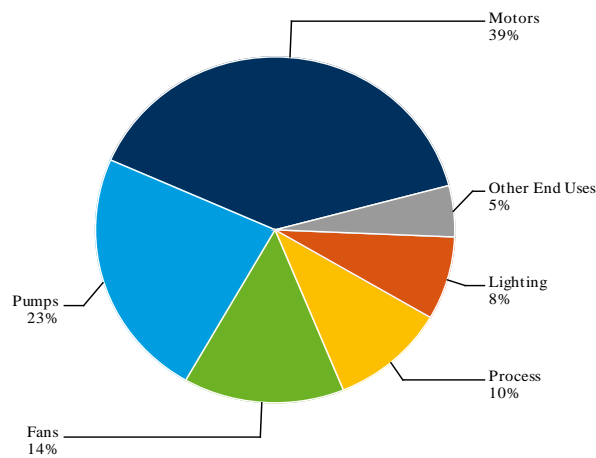
Total: 2 aMW



Note: 'Other End Uses' includes:
Other: 2%, Pumps: 2%

**Figure C-4.137. Achievable Technical Potential - Washington:
Industrial Paper by End Use**

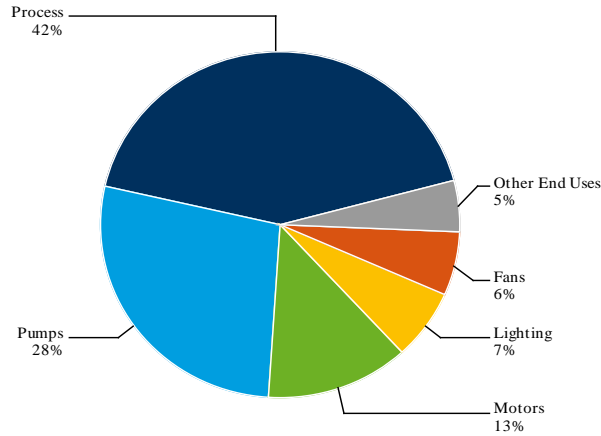
Total: 1 aMW



Note: 'Other End Uses' includes:
HVAC: 4%, Other: <1%

**Figure C-4.138. Achievable Technical Potential - Washington:
Industrial Petroleum by End Use**

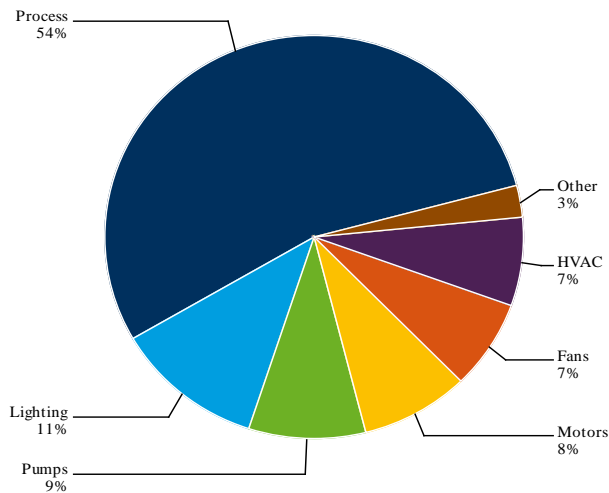
Total: 0 aMW



Note: 'Other End Uses' includes:
HVAC: 4%, Other: <1%

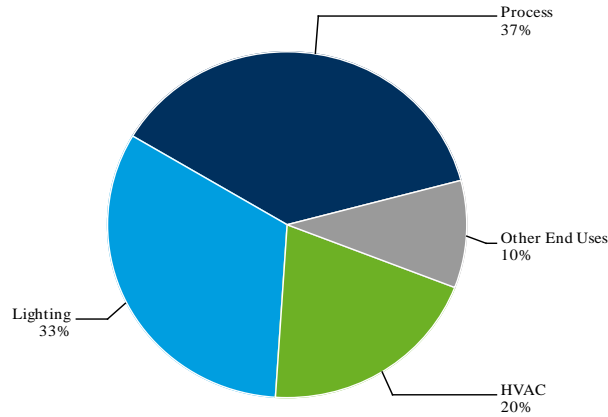
**Figure C-4.139. Achievable Technical Potential - Washington:
Industrial Stone Clay Glass Products by End Use**

Total: 0 aMW



**Figure C-4.140. Achievable Technical Potential - Washington:
Industrial Transportation by End Use**

Total: 0 aMW



Note: 'Other End Uses' includes:
Motors: 4%, Fans: 2%, Other: 2%, Pumps: 2%

**Figure C-4.141. Achievable Technical Potential - Washington:
Industrial Water/Wastewater by End Use**

Total: 0 aMW

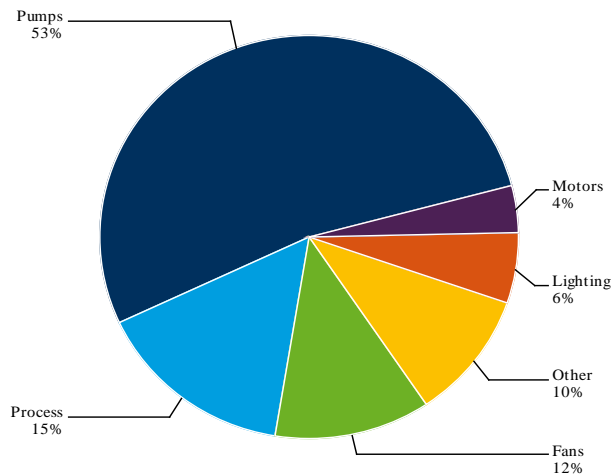
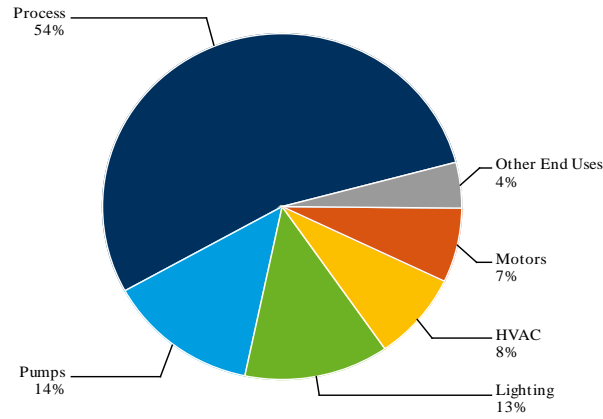


Figure C-4.142. Achievable Technical Potential - Wyoming: Industrial Chemicals by End Use

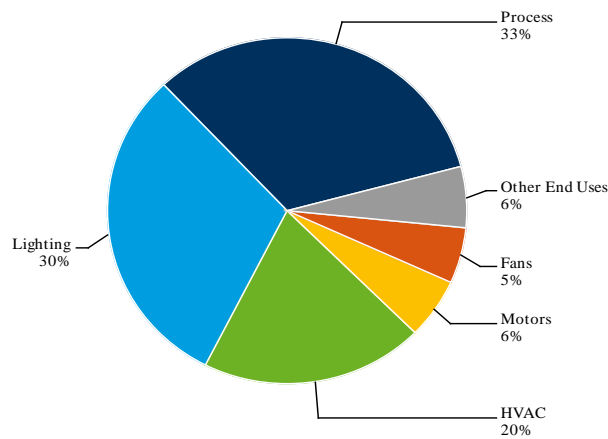
Total: 11 aMW



Note: 'Other End Uses' includes:
Fans: 3%, Other: 1%

Figure C-4.143. Achievable Technical Potential - Wyoming: Industrial Mach./Equip by End Use

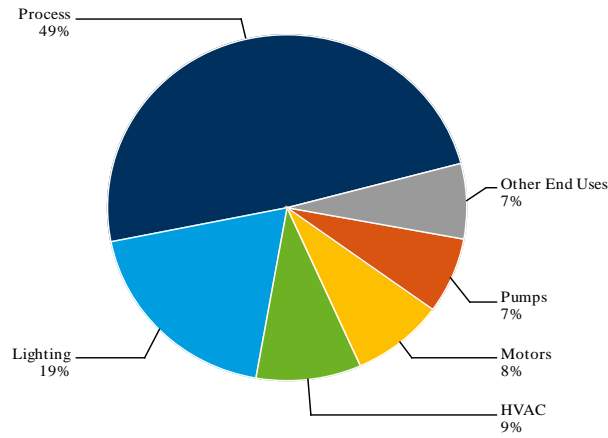
Total: 19 aMW



Note: 'Other End Uses' includes:
Other: 4%, Pumps: 2%

Figure C-4.144. Achievable Technical Potential - Wyoming: Industrial Food by End Use

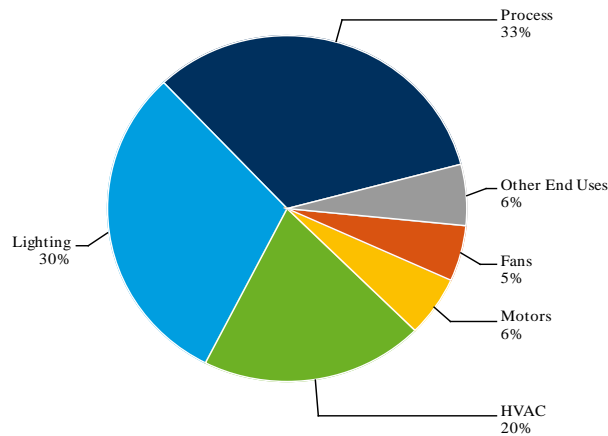
Total: 6 aMW



Note: 'Other End Uses' includes:
Other: 5%, Fans: 2%

Figure C-4.145. Achievable Technical Potential - Wyoming: Industrial Mach./Equip by End Use

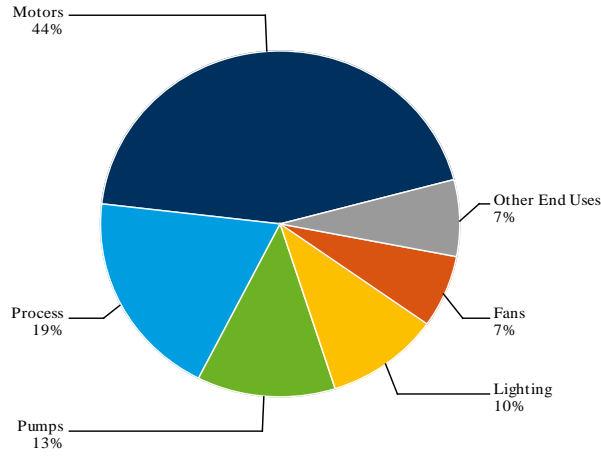
Total: 19 aMW



Note: 'Other End Uses' includes:
Other: 4%, Pumps: 2%

Figure C-4.146. Achievable Technical Potential - Wyoming: Industrial Lumber by End Use

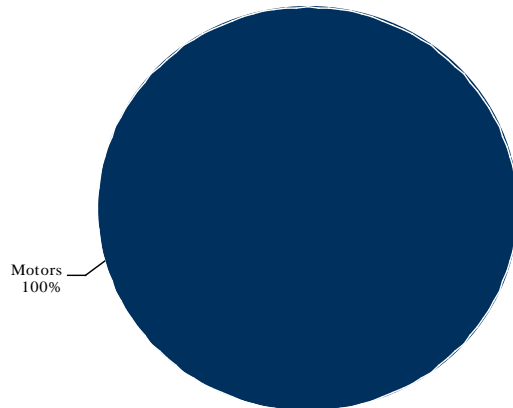
Total: 9 aMW



Note: 'Other End Uses' includes:
HVAC: 5%, Other: 3%

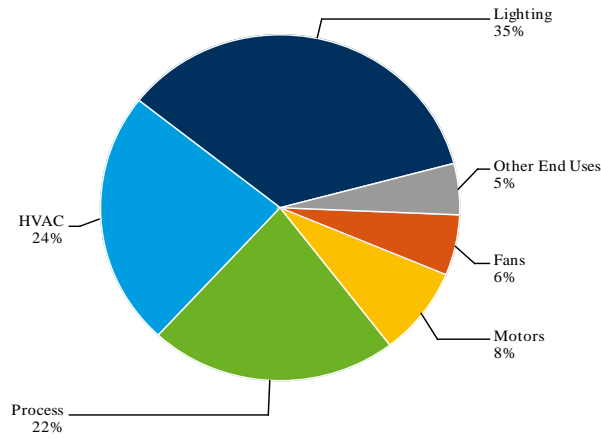
Figure C-4.147. Achievable Technical Potential - Wyoming: Industrial Mining by End Use

Total: 3 aMW



**Figure C-4.148. Achievable Technical Potential - Wyoming:
Industrial Miscellaneous Mfg by End Use**

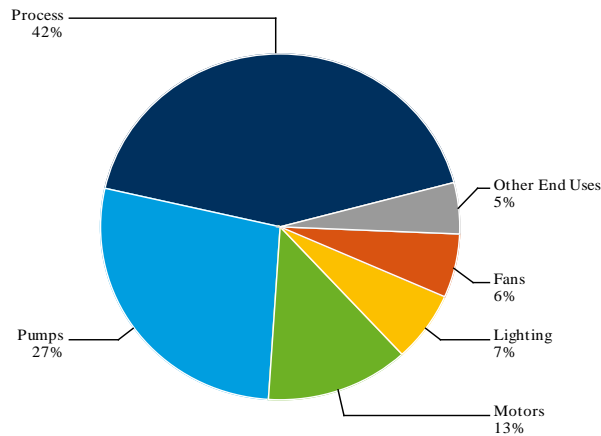
Total: 10 aMW



Note: 'Other End Uses' includes:
Other: 2%, Pumps: 2%

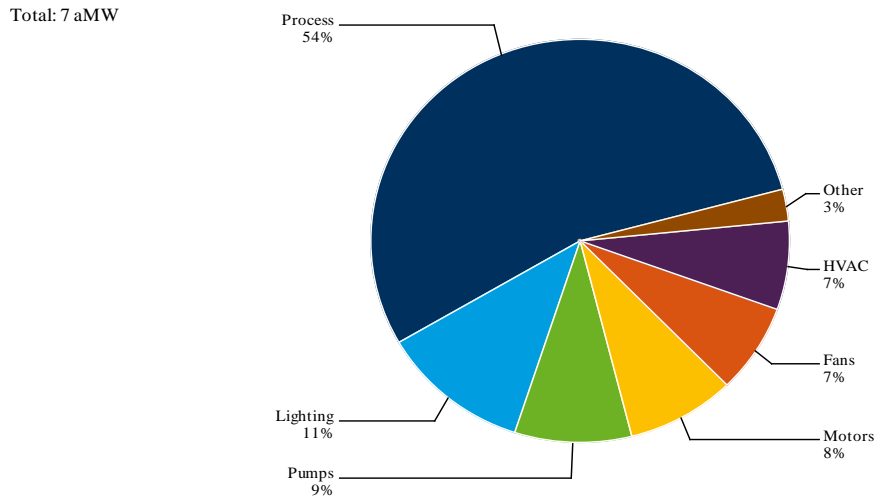
**Figure C-4.149. Achievable Technical Potential - Wyoming:
Industrial Petroleum by End Use**

Total: 3 aMW

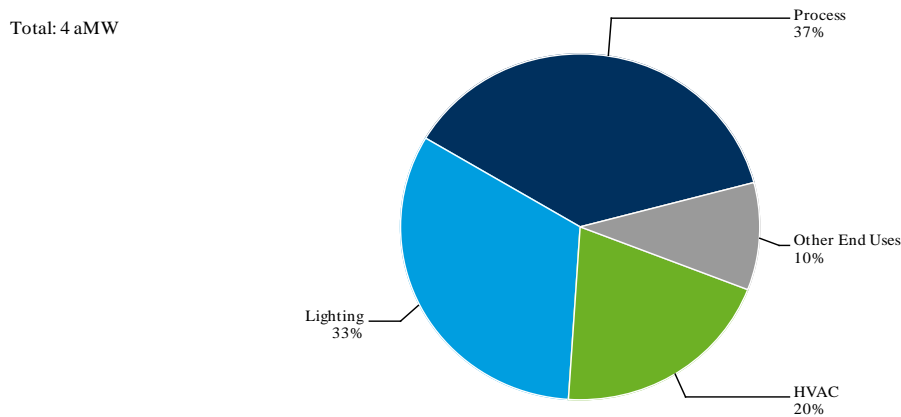


Note: 'Other End Uses' includes:
HVAC: 4%, Other: <1%

**Figure C-4.150. Achievable Technical Potential - Wyoming:
Industrial Stone Clay Glass Products by End Use**



**Figure C-4.151. Achievable Technical Potential - Wyoming:
Industrial Transportation by End Use**



Note: 'Other End Uses' includes:
Motors: 4%, Fans: 2%, Other: 2%, Pumps: 2%

**Figure C-4.152. Achievable Technical Potential - Wyoming:
Industrial Water/Wastewater by End Use**

Total: 5 aMW

