

KPU



Your Community, Your Utility

General Manager
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|------------------------|
| TRANSMITTAL MEMORANDUM |
|------------------------|

TO: The Honorable Mayor and City Council

FROM: Karl R. Amylon, General Manager

DATE: June 12, 2019

RE: **Water Utilization Study Report – May 2019**

Attached for City Council review is the May 2019 report of water utilization for those accounts that are metered and for which readings are taken by the Utility.

WATER UTILIZATION STUDY REPORT MAY 2019 CONSUMPTION TOTAL GALLONS

Single Family Residential

| METER - SIZE | Week 1 | Week 2 | Week 3 | Week 4 | Wk 5 | TOTAL | | | 2019 - 2018 % Change |
|-----------------|--------|--------|--------|--------|-------|-------|--|--------|-------------------------|
| | | | | | | 2019 | | 2018 | |
| 1362 Jackson | 0 | 1,000 | 1,000 | 0 | 1,000 | 3,000 | | 3,000 | 0% |
| 1370 Jackson | 0 | 1,000 | 1,000 | 1,000 | 1,000 | 4,000 | | 5,000 | -20% |
| 1380 Jackson | 0 | 0 | 0 | 0 | 0 | 0 | | 4,000 | |
| 1382 Jackson | 0 | 0 | 0 | 0 | 1,000 | 1,000 | | 2,000 | -50% |
| 1390 Jackson | 2,000 | 1,000 | 2,000 | 2,000 | 1,000 | 8,000 | | 6,000 | 33% |
| 1392 Jackson | 3,000 | 1,000 | 1,000 | 1,000 | 1,000 | 7,000 | | 17,000 | -59% |
| 1402 Jackson | 1,000 | 1,000 | 1,000 | 2,000 | 1,000 | 6,000 | | 5,000 | 20% |
| 3220 Emma Court | 1,000 | 1,000 | 1,000 | 1,000 | 0 | 4,000 | | 4,000 | 0% |
| 3222 Emma Court | 0 | 1,000 | 0 | 1,000 | 0 | 2,000 | | 2,000 | 0% |
| 3230 Emma Court | 1,000 | 2,000 | 1,000 | 1,000 | 1,000 | 6,000 | | 0 | |
| 3232 Emma Court | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| 3233 Emma Court | 2,000 | 2,000 | 0 | 1,000 | 0 | 5,000 | | 6,000 | -17% |
| 3231 Emma Court | 1,000 | 1,000 | 1,000 | 1,000 | 0 | 4,000 | | 1,000 | 300% |
| 3223 Emma Court | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| 3221 Emma Court | 1,000 | 1,000 | 1,000 | 2,000 | 1,000 | 6,000 | | 5,000 | 20% |
| 3213 Emma Court | 2,000 | 1,000 | 2,000 | 2,000 | 1,000 | 8,000 | | 6,000 | 33% |
| 3211 Emma Court | 0 | 1,000 | 2,000 | 1,000 | 0 | 4,000 | | 3,000 | 33% |
| 1383 Jackson | 2,000 | 2,000 | 0 | 3,000 | 0 | 7,000 | | 7,000 | 0% |
| 1381 Jackson | 2,000 | 2,000 | 1,000 | 2,000 | 1,000 | 8,000 | | 6,000 | 33% |

Multi-Family Residential

| METER - SIZE | Week 1 | Week 2 | Week 3 | Week 4 | Wk 5 | TOTAL | | | 2019 - 2018 % Change |
|--------------------------|---------|---------|---------|---------|---------|-----------|--|---------|-------------------------|
| | | | | | | 2019 | | 2018 | |
| Boles Trailer Park | 218,000 | 242,000 | 185,000 | 280,000 | 155,000 | 1,080,000 | | 839,000 | 29% |
| Upper Water St. #1254/56 | 1,000 | 4,000 | 3,000 | 1,000 | 4,000 | 13,000 | | 1,000 | 1200% |

Piers, Docks and Waterfront Facilities

| METER - SIZE | Week 1 | Week 2 | Week 3 | Week 4 | Wk 5 | TOTAL | | | 2019 - 2018 % Change |
|----------------------------|---------|--------|--------|--------|--------|---------|----|-----------|-------------------------|
| | | | | | | 2019 | | 2018 | |
| Shipyard - 8" | 75,000 | 27,000 | 2,000 | 3,000 | 0 | 107,000 | | 300,000 | -64% |
| North Ramp Shipyard - 6" | 30,000 | 0 | 5,000 | 0 | 0 | 35,000 | | 85,000 | -59% |
| Ferry Ramp - 3" | 37,000 | 22,000 | 58,000 | 31,000 | 32,000 | 180,000 | | 165,000 | 9% |
| POW Ferry - 3" | 43,000 | 35,000 | 46,000 | 50,000 | 22,000 | 196,000 | | 304,000 | -36% |
| New Bar Harbor - 2" | 63,000 | 31,000 | 41,000 | 63,000 | 26,000 | 224,000 | | 99,000 | 126% |
| New Bar Harbor Dept.Bldg | 2,000 | 2,000 | 2,000 | 4,000 | 2,000 | 12,000 | | 7,000 | 71% |
| Ramp II - Bar Harbor - 1½" | 108,000 | 78,000 | 23,000 | 46,000 | 46,000 | 301,000 | | 238,000 | 26% |
| Ramp I - Bar Harbor - 1½" | 0 | 0 | 0 | 0 | 0 | 0 | ** | 96,000 | |
| Berth 4 Ramp - 4" | 0 | 0 | 0 | 0 | 1,000 | 1,000 | * | 934,000 | -100% |
| Berth 4 Bathrooms | 6,000 | 2,000 | 3,000 | 3,000 | 4,000 | 18,000 | | 9,000 | 100% |
| City Float - 1½" | 75,000 | 95,000 | 3,000 | 14,000 | 60,000 | 247,000 | | 417,000 | -41% |
| Berth III | 0 | 0 | 0 | 0 | 0 | 0 | * | 30,000 | |
| Wood Dock - Berth I - 8" | 1,000 | 1,000 | 1,000 | 2,000 | 1,000 | 6,000 | * | 1,290,000 | |
| Baranof & Co. (Marina) | 5,000 | 3,000 | 9,000 | 4,000 | 2,000 | 23,000 | | 16,000 | 44% |
| Allen Marine | 6,000 | 3,000 | 2,000 | 5,000 | 3,000 | 19,000 | | 47,000 | -60% |
| Wood Dock - Berth I - 6" | 0 | 0 | 7,000 | 0 | 0 | 7,000 | * | 1,199,000 | |
| Thomas Basin 1½"-N. Ramp | 5,000 | 2,000 | 3,000 | 5,000 | 6,000 | 21,000 | | 18,000 | 17% |
| Thomas Basin 2"- S. Ramp | 6,000 | 7,000 | 7,000 | 11,000 | 21,000 | 52,000 | | 332,000 | -84% |
| U.S. Coast Guard Base - 6" | 30,000 | 45,000 | 40,000 | 45,000 | 25,000 | 185,000 | | 40,000 | 363% |

WATER UTILIZATION STUDY REPORT MAY 2019 CONSUMPTION TOTAL GALLONS

Seafood Processing Plants

| METER - SIZE | Week 1 | Week 2 | Week 3 | Week 4 | Wk 5 | TOTAL | | 2019 - 2018 % Change |
|----------------------------|---------|---------|---------|---------|---------|-----------|---------|-------------------------|
| | | | | | | 2019 | 2018 | |
| E.C. Phillips (1) - 6" | 155,000 | 55,000 | 30,000 | 120,000 | 125,000 | 485,000 | 40,000 | 1113% |
| E.C. Phillips (2) - 4" | 15,000 | 885,000 | 25,000 | 30,000 | 915,000 | 1,870,000 | 150,000 | 1147% |
| Trident Fisheries - 8" | 0 | 0 | 0 | 5,000 | 0 | 5,000 | 5,000 | 0% |
| Trident Fisheries - 6" | 266,000 | 279,000 | 217,000 | 247,000 | 97,000 | 1,106,000 | 515,000 | 115% |
| Alaska General Seafoods 4" | 130,000 | 10,000 | 0 | 390,000 | 35,000 | 565,000 | 0 | |
| Alaska General Seafoods 6" | 0 | 0 | 0 | 0 | 0 | 0 | 396,000 | |

Commercial

| METER - SIZE | Week 1 | Week 2 | Week 3 | Week 4 | Wk 5 | TOTAL | | 2019 - 2018 % Change |
|-----------------------------|---------|-----------|-----------|---------|-----------|-----------|------------|-------------------------|
| | | | | | | 2019 | 2018 | |
| Golden Eagle Building | 0 | 0 | 0 | 0 | 0 | 0 | 33,000 | |
| Cape Fox Building | 1,000 | 2,000 | 1,000 | 2,000 | 1,000 | 7,000 | 5,000 | 40% |
| Redman Hall | 2,000 | 1,000 | 0 | 0 | 1,000 | 4,000 | 4,000 | 0% |
| Recreation Center | 8,000 | 9,000 | 7,000 | 9,000 | 5,000 | 38,000 | 313,000 | -88% |
| Recreation Swimming Pool | 33,000 | 31,000 | 25,000 | 21,000 | 22,000 | 132,000 | no reading | |
| Schoenbar Jr. High School | 5,000 | 5,000 | 5,000 | 4,000 | 4,000 | 23,000 | 29,000 | -21% |
| Library (Copper Ridge) | 3,000 | 2,000 | 4,000 | 3,000 | 3,000 | 15,000 | 20,000 | -25% |
| SeaView Terrace Apt. | 15,000 | 16,000 | 11,000 | 17,000 | 11,000 | 70,000 | 60,000 | 17% |
| Warehouse - Vallenar Lane | 0 | 1,000 | 0 | 0 | 0 | 1,000 | 0 | |
| Ready Mix - 4" | 410,000 | 460,000 | 325,000 | 470,000 | 325,000 | 1,990,000 | 1,315,000 | 51% |
| Airport - 8" | 205,444 | 241,767 | 178,593 | 235,511 | 180,260 | 1,041,575 | 784,220 | 33% |
| Wastewater (Dilution Water) | 876,000 | 1,045,000 | 1,545,000 | 322,000 | 3,322,000 | 7,110,000 | 2,848,000 | 150% |
| 21 Cedar Pt. Development | 1,000 | 1,000 | 2,000 | 0 | 1,000 | 5,000 | 3,000 | 67% |
| 25 Cedar Pt. Development | 2,000 | 1,000 | 1,000 | 1,000 | 2,000 | 7,000 | 10,000 | -30% |
| Hospital - 6" | 72,000 | 86,000 | 61,000 | 71,000 | 71,000 | 361,000 | 280,000 | 29% |
| Key Bank | 0 | 0 | 0 | 0 | 0 | 0 | 2,000 | |
| Tongass Marine Store 1" | 1,000 | 0 | 1,000 | 1,000 | 1,000 | 4,000 | 2,000 | 100% |
| Safeway - Fuel Station | 0 | 0 | 0 | 0 | 0 | 0 | 1,000 | |
| First Bank | 6,000 | 8,000 | 5,000 | 7,000 | 6,000 | 32,000 | 32,000 | 0% |
| Borough Offices 2" | 2,000 | 2,000 | 2,000 | 1,000 | 2,000 | 9,000 | 16,000 | -44% |
| The Landing (new building) | 10,000 | 15,000 | 20,000 | 12,000 | 12,000 | 69,000 | 61,000 | 13% |
| Safeway - Grocery Store | 0 | 0 | 0 | 0 | 0 | 0 | ** 66,000 | -100% |

Water Fill Station

| METER - SIZE | Week 1 | Week 2 | Week 3 | Week 4 | Wk 5 | TOTAL | | 2019 - 2018 % Change |
|---|--------|--------|--------|---------|---------|------------|----------------|-------------------------|
| | | | | | | 2019 | 2018 | |
| City | 16,200 | 0 | 19,300 | 17,400 | 7,400 | 60,300 | 50,900 | 18% |
| Sewer | 2,200 | 1,300 | 900 | 0 | 0 | 4,400 | 1,500 | 193% |
| DOT | 32,000 | 13,700 | 0 | 2,500 | 0 | 48,200 | 2,400 | 1908% |
| Borough | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Southeast Services | 0 | 9,300 | 0 | 20,700 | 18,200 | 48,200 | 136,200 | -65% |
| Ketchikan H ₂ O | 51,900 | 65,400 | 93,500 | 157,500 | 115,700 | 484,000 | 244,000 | 98% |
| Southeast Water Services | 66,400 | 67,100 | 57,400 | 137,400 | 128,800 | 457,100 | 0 | |
| SECON | 2,700 | 2,900 | 2,800 | 2,800 | 4,100 | 15,300 | 20,100 | -24% |
| METER GRAND TOTAL | | | | | | 18,877,075 | 13,993,320 | 35% |
| MONTHLY TOTAL AT UV PLANT | | | | | | 72,166,900 | *** 81,466,000 | -11% |
| PERCENTAGE OF WATER METERED THIS MONTH | | | | | | 26% | 17% | 52% |
| UV PLANT DAILY AVERAGE | | | | | | 2,327,965 | 2,627,935 | -11% |

*Reduced cruise ship consumption **Ramp I Bar Harbor & Safeway meters out of service ***Chlorination Plant main flow meter failing in 2017 switched to UV Facility main meter.