

ELECTRICAL PERMIT



City of Bath, Maine

Date _____ Map/Lot _____

Property Address _____
(where work is to occur)

Owner's Name _____

Owner's Address _____

Contractor _____

Contractor's Address _____

Phone Number _____ License Number _____

Email address _____

General description of work _____

Fee Calculation

Inspection Deposit

Total Amount Paid _____

With the exception of a single-family home occupant doing electrical work in their new home, all electrical installations must be performed by a licensed electrician. All installations must meet applicable code standards and be inspected by the Electrical Inspector prior to being concealed and/or put into service. The Electrical Inspector will be contacted to arrange inspections at 443-8334 (TDD 443-8368) at least 24 hours in advance. This permit is not valid unless signed by the Electrical Inspector. The applicant certifies that he/she is or lawfully represents the owner of the subject property for the purpose of securing this permit.

Applicant's Signature

Electrical Inspector's Signature

Things to Know on back

ELECTRICAL PERMIT

Things to Know (Now and Future)

Now: (2020 NEC with Maine amendments)

1.Service Grounding Electrode Conductor- Required to be protected from physical damage per 2020 NEC article 250.64(2) and (3)

2.Arc Fault Circuit Interrupter Protection- Required for all residential and commercial branch circuits listed in the 2020 NEC article 210.12 (A)-(D)

3.Exterior Receptacle Locations-New single/two family dwellings require an exterior GFCI protected receptacle at grade level front and back, and on each Deck, Porch, or Balcony not at grade level per 2020 NEC article 210.50 (E) (1) and (3).

3.Cathedral/Shed Ceiling Smoke/Combination Detector Locations- These detectors installed in cathedral and shed ceiling locations will be installed per 2019 NFPA 72 chapter 17.3.3.1 and 17.3.4.1. Graphic available from the Codes and Planning Office if requested by the contractor.

4.Ground Mounted Heat Pump Condensing Units and On-Demand Generators-Both appliances are considered structures and cannot be installed in the “yard area” of a property. The yard area is different for each zone and should be identified before placing appliances. City tax maps can be found online at the City of Bath Tax Assessor’s webpage, or you can call the Codes and Planning Office, and we can help determine the zone and yard area.

5.Heat Pump/Hybrid electric water heater replacement-If the replacement appliance is the same size or smaller, only a plumbing permit is required, and the plumber may disconnect and re-connect the electrical conductors. If the new appliance is larger in size than the replaced appliance, plumbing and electrical permits are required. A plumber cannot re-connect the new larger appliance, an electrician is required to make the connection per MRS Title 32, 1201-A. Exceptions to Licensing Requirements #9.

As of July 1, 2024: (2023 NEC with Maine amendments, if adopted)

1.Kitchen GFCI Protection-All receptacles in a Kitchen will be required to have GFCI protection per 2023 NEC article 210.8(A)(6) Also includes hard-wired wall mounted ovens, ranges, cooktops, and microwaves per article 210.8(D)

2.Emergency Disconnects on Single/Two Family Dwellings-An emergency disconnecting means shall be installed in a readily accessible outdoor location on or within sight (visible and within 50 feet) of the dwelling unit per 2023 NEC 225.41(A)(1) The emergency and service disconnect could be two different disconnects if the dwelling is not within sight of the service disconnect.

3.Island/Peninsula Receptacles-Island/Peninsula receptacles will be optional per 2023 NEC article 210.52(C), but with certain requirements. If island/peninsula receptacles are installed, they will be required to be installed in the countertop surface with a listed pop-up receptacle. If no island/peninsula receptacle is added, a branch circuit wire will need to be installed and terminated in a box in the island/peninsula cabinet if there will be no future accessibility to cabinet base.

4.Surge-Protective Device-A surge protective device shall be installed where services, feeders, and outside feed supply any of the following per 2023 NEC article 215.18 and 225.42:

- 1-Dwelling units
- 2-Dormitory units
- 3-Guest rooms and guest suites of hotels and motels
- 4.Areas of nursing homes and limited-care facilities used exclusively as patient sleeping rooms

5.Service Component Replacement-Where only meter sockets, service entrance conductors, or related raceways and fittings are replaced (does not include main breaker panel), you are not required to install an emergency disconnect per 2023 NEC article 230.85(C) *Exception*

City of Bath

Rooftop mounted solar

Submittal Requirements

- ☐ Evidence certified by an appropriately licensed professional stating the roof is capable of supporting the collateral load of the array, including a designed ground snow load in Bath (50 psf).
- ☐ Site plan with location of rapid shutdown/disconnecting means.
- ☐ Roof plan to include module layout and 2018 NFPA-1 section 11.12.2.2 access pathways as required.
- ☐ Roof detail that includes roof area square footage, array area square footage, and percentage of plan roof area covered by array.
- ☐ Electrical three-line diagram.
- ☐ Mounting details.
- ☐ Conductor calculations.
- ☐ Equipment list.
- ☐ Equipment manufacturer spec sheets.
- ☐ Label diagram.
- ☐ Payment of permit fee and refundable inspection deposit.
- ☐ Completed electrical permit application signed by a licensed Maine Master Electrician.

January 2024