

WRITTEN SUBMISSION 26 – AVAILABILITY AND ADEQUACY OF PUBLIC UTILITIES  
BRAMHALL ST. – 22; MMC CONGRESS STREET BUILDING  
LEVEL III SITE PLAN APPLICATION

ATTACHED ARE AN ABILITY TO SERVE CONFIRMATION FROM CENTRAL MAINE POWER REGARDING ELECTRICAL SERVICE, AND AN EMAIL TO PORTLAND WATER DISTRICT REQUESTING AN ABILITY TO SERVE CONFIRMATION. THE RESPONSE FROM PORTLAND WATER DISTRICT WILL BE SUBMITTED UPON RECEIPT.

REGARDING SOLID WASTE MANAGEMENT, THE APPLICANT HAS A CONTRACT WITH TROIANO WASTE MANAGEMENT WHO WILL CONTINUE TO PROVIDE THIS SERVICE FOR THE CONGRESS STRET BUILDING.

**From:** Cough, Jamie  
**To:** [Troidl, Adam](#)  
**Subject:** CMP Three Phase Ability to Serve Request and Three Phase Service Process  
**Date:** Monday, September 24, 2018 8:12:00 AM  
**Attachments:** [Easement Information Worksheet.doc](#)  
[Standard Easement Sample.pdf](#)  
[2July 2018 EDET.XLSX](#)

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**9/24/18**

Adam Troidl, LEED AP  
Vice President | Development & Consulting Services  
Colliers International

*Sent via email to:* [adam.troidl@colliers.com](mailto:adam.troidl@colliers.com)

RE: CMP Ability to Serve Letter for Maine Medical Center Expansion

Project Description: Maine Medical Center 263,000 sf clinical building at the corner of Congress & Gilman. This will be a redevelopment of an existing 1,200 car +/- parking garage site on the existing primary metered campus on Congress Street.

Dear Mr. Troidl:

CMP has the ability to serve the proposed project in accordance with our CMP Handbook (web link below). We can provide you the desired pad or pole mounted transformers per your request and city approval, in accordance with our CMP Standards Handbook. If you have any questions on the process, or need help in completion of the documents, **please contact me at 207-629-1489.**

Here is our typical process for getting your three phase or CT rated single phase service installed. If you have any questions, please let me know. The underlined links will redirect you to the appropriate site for additional information.

**Service Milestones for Three Phase Services and CT Rated Single Phase Services. Please refer to CMP Installation Checklists for other installations.**

- Call 1-800-565-3181 to establish a new account (if needed) and an SAP work order. Please provide both of these to me.
- Submit Load information. Please complete the attached EDET (excel file) using load information. Please complete this and email back to me.
- Submit the easement information worksheet. Please complete this form and either email or fax back to me.
- Submit any electronic drawings (PDF (preferred) or DWG files) of the site layout and proposed electrical connections if you have them.

- Preliminary meetings with CMP Advisor and Engineer to determine details of job (I will need to schedule with your electrician/contractor-please let me know who this is)
- Field planner design appointment to cost out job and develop CMP Invoice. The invoice is typically generated 5-6 weeks after the design appointment. This expires after 90 days from the invoice date.
- CMP submits invoice to the customer for payment (typically via email). Payment received from customer.
- Easements (based on easement information worksheet) sent out, signed and originals returned to CMP.
- Job scheduled for completion after the electrical inspection has been received.

This process can take several months, depending upon several factors including transformer or materials delivery, return of completed paperwork, and other jobs in the system that may be ahead of yours. In addition, contact with the other utilities, including telephone and cable, should be commenced as soon as practical. They may have additional work or charges in addition to the CMP work required to bring your project on line.

Please complete the attached forms (the specific instructions are on each form) and email them back to me at your earliest convenience.

For your convenience, here is a link to the CMP Website which contains our Handbook with details on most service requirements: [CMP Handbook of Standard Requirements](#)

You will be responsible for installing the customer connections, conduits, and metering in accordance with the CMP Handbook of Standard Requirements. The transformer will be sized based on your submitted load sheets.

Your deposit amount will be typically based on an estimated two month bill, calculated from your completed load sheet unless otherwise determined by CMP.

#### **Metering:**

All metering (including locations) must be preapproved by CMP.

#### **Chapter 324 Interconnections:**

Please be advised that if you plan to install solar/wind/hydro generation, you must complete an application under the MPUC mandated Chapter 324 Interconnection Standards. If you go to [Chapter 324 Interconnection Standards](#) and follow the instructions for the Small Generator Interconnection Procedures, CMP can do this work in parallel to your service request that will be handled by me. If your project is under 660 KW you will be able to have a Customer Net Energy Billing contract. Information concerning Customer Net Energy Billing can be accessed thru the Chapter 324 website or by clicking here: [Net Energy Billing](#)

#### **Reallocation/Line Extensions:**

Recently, changes were made to the three-phase construction policy, which require CMP to reallocate construction costs paid by customers. If applicable, those projects identified as "developments" do not qualify for reallocation of funds. Please see this document at our website for details about the reallocation conditions. Any reallocation charges will be specifically denoted on your invoice. The website address for this is: [PolyphaseLineExtension](#) .

This line extension will be part of Central Maine Power's distribution system. In the event the property served under this Agreement is sold or otherwise conveyed, all rights and obligations of the Agreement shall stay with the property. Please note that if you rent or lease this property to another and you want to receive the reimbursement payments, you must make special arrangements with the Central Maine Power Company. Otherwise, any reimbursement payments will be sent to the "Customer" taking service at the service location.

**Electricity Supplier Information:**

Central Maine Power Company (CMP) will provide your facility with electric delivery service. If you don't already have a provider, you will need to make arrangements with a competitive electricity provider in order to receive electricity supply for your facility. In the event you fail to choose a competitive electricity provider, you will receive Standard Offer service arranged by the Maine Public Utilities Commission. If you wish to be served by a competitive electricity provider immediately upon establishment of delivery service, you must arrange for this service directly through your chosen competitive electricity provider, who must enroll your account no later than 5 PM on the business day prior initiation of delivery service by CMP. An up-to-date list of competitive suppliers can be found at the:

- 1) Maine Public Utilities Commission (MPUC) web site- [Maine PUC](#)
- 2) By calling the MPUC at (207) 287-3831

Attachments:

Excel Load Sheet (EDET)  
Easement Worksheet and Sample Standard Easement

Regards,

Jamie

Jamie Cough  
Energy Services Advisor  
Central Maine Power Company  
162 Canco Road

Portland, ME 04103  
207-842-2367 office



**CENTRAL MAINE  
POWER**

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## Will Conway

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**From:** Dylan Stuart  
**Sent:** Monday, September 24, 2018 11:22 AM  
**To:** rbartels@pwd.org  
**Cc:** Will Conway; 15466  
**Subject:** Maine Medical Center Ability to Serve Request  
**Attachments:** 15466U2-U-CONGRESS.pdf

Robert,

I am writing to request an ability to serve letter for the Maine Medical Center Expansion project following our meeting from last week. We have updated the locations for the domestic and fire services coming from Gilman and Congress Street. Please see the attached Utility plan as well as the most updated Peak Flow Based on Fixture Count form that was filled out by our MEP engineer.

Please let me know if you have any questions or require any additional information.

Thank you,

*Dylan Stuart Civil Engineer*

Office: 207.200.2100 | Direct: 207.200.2093

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### Peak Flow Based on Fixture Count

<b>Customer</b>	Maine Medical Center
<b>Street Address</b>	22 Bramhall Street
<b>City</b>	Portland

Fixture	Fixture Value 60 psi	x	No. of Fixtures	=	Fixture Value
Bathub	8	x	0	=	0
Bedpan Washers	10	x	5	=	50
Bidet	2	x	0	=	0
Dental Unit	2	x	0	=	0
Drinking Fountain - Public	2	x	0	=	0
Kitchen Sink	2.2	x	95	=	209
Lavatory	1.5	x	141	=	211.5
Showerhead (Shower Only)	2.5	x	100	=	250
Service Sink	4	x	10	=	40
Toilet -Flush Valve	35	x	142	=	4970
-Tank Type	4	x	0	=	0
Urinal -Pedestal Flush Valve	35	x	0	=	0
-Wall Flush Valve	16	x	17	=	272
Wash Sink (Each Set of Faucets)	4	x	8	=	32
Dishwasher	2	x	0	=	0
Washing Machine	6	x	0	=	0
Hose (50 ft. Wash Down) -1/2 in.	5	x	0	=	0
-5/8 in.	9	x	0	=	0
-3/4 in.	12	x	0	=	0

Combined Fixture Value Total

6034.5

Customer Peak Demand From Fig. 4-2 or 4-3	175
Pressure Factor From Table 4-1	1.17

No. of Irrigation Sections (Areas of 100 sq. ft.)	0
Irrigation Factor (1.16-Spray Systems, 0.40-Rotary Systems)	
Hose Bibs for Irrigation:	
Size	Fixture Value      No. of Fixtures
1/2"	
5/8"	
3/4"	

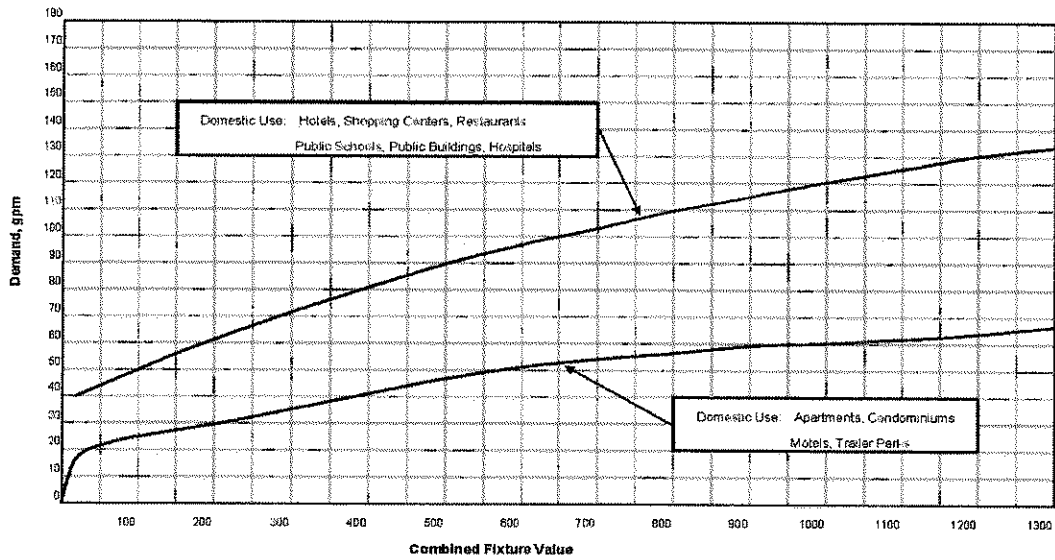
Total Fixed Demand (Peak Flow)

204.75 gpm

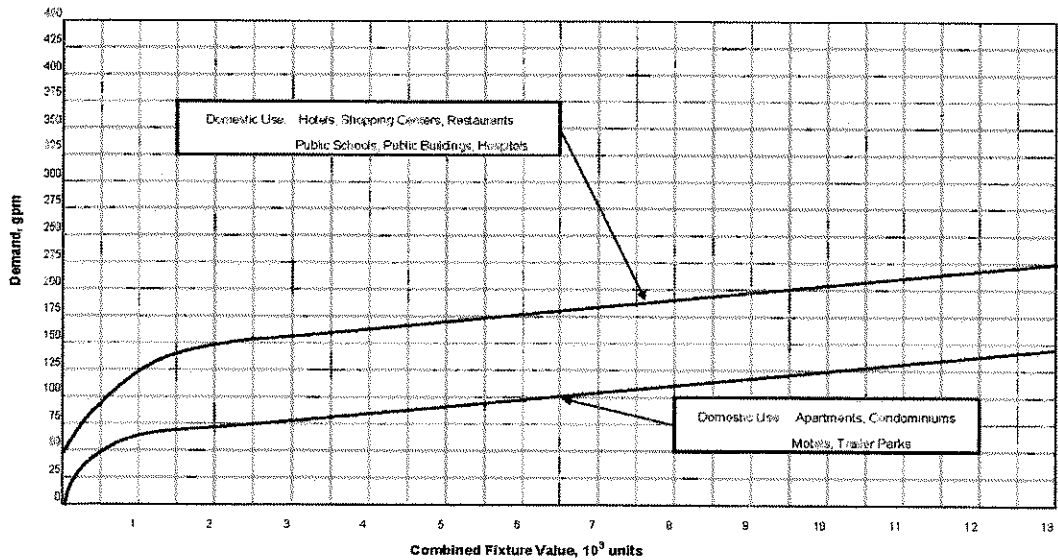
**Table 4-1 Pressure Adjustment Factors**

Working Pressure at Meter Discharge (psi)	Pressure Adjustment Factor
35	0.74
40	0.80
50	0.90
60	1.00
70	1.09
80	1.17
90	1.25
100	1.34

Adapted from AWWA Manual M22 table 4-1



**Figure 4-2 Water flow demand per fixture value - low range**



**Figure 4-3 Water flow demand per fixture value - High range**