

**INFRASTRUCTURE COMMITTEE**  
**Tuesday, January 27, 2015 at 5:15 p.m.**  
**City Hall Council Chambers**

**Agenda**

1. **MDOT Agreement: Civil Rights Assurance**  
(Agreement Attached)
2. **Update: Single Stream Recycling**  
(Public Works Director Dana Wardwell to Provide Update)
3. **Update: Emera Maine Substation @ Saxl Park**  
(City Engineer John Theriault to Provide Update)
4. **Update: Broadway Corridor**  
(City Engineer John Theriault to Provide Update)
5. **Update: Stillwater Avenue, Exit 186**  
(City Engineer John Theriault to Provide Update)
6. **Discussion: Penobscot River Icing and Flooding**  
(Memo Provided by City Engineer, John Theriault)

To: Infrastructure Committee  
From: Engineering Department  
Date: January 22, 2015  
Re: MaineDOT Agreement: Civil Rights Assurance

The Maine Department of Transportation is requiring the City of Bangor to sign an agreement that assures that the City of Bangor will comply with current Civil Rights Acts and Regulations in order to be eligible for federal financial assistance from the Federal Highway Administration (FHWA).

With the signing of this document, the City of Bangor provides the following general assurance with regards to projects that it receives financial support from FHWA through the US Department of Transportation.

*"No person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity," for which the Recipient receives Federal financial assistance from the U.S. DOT, including the FHWA."*

In addition to this general assurance, the City of Bangor will provide the following language in all requests for proposals (RFP's) for services to be completed for the City for projects that are receiving funding through the FHWA.

*"The **City of Bangor**, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award."*

All contracts signed between the City of Bangor and Contractors for projects to be constructed with funding from FHWA will include Appendix A and E. These appendices provide direction and guidance for the Contractor to comply with the appropriate Civil Rights Acts and regulations in accordance with FHWA requirements.

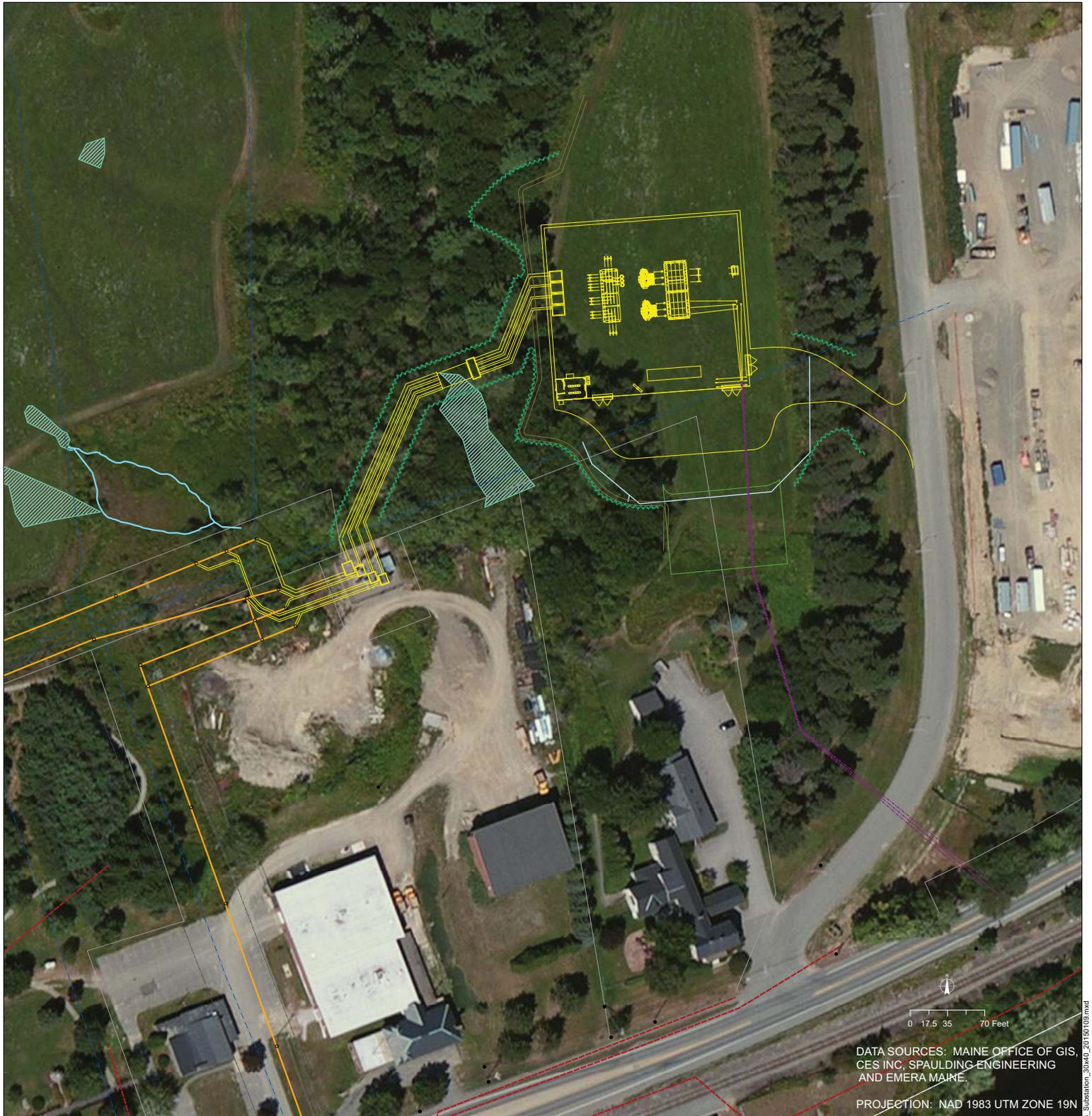
The Engineering Department requests that the Infrastructure Committee allow the City Manager to sign the enclosed Agreement in order for the City to continue to be eligible for financial assistance from the Federal Highways Administration.

To: Infrastructure Committee  
From: Engineering Department  
Date: January 22, 2015  
Re: Emera Substation at Saxl Park Update

For the last several months, Emera Maine has been meeting with the Saxl Park Committee to develop a location within the Park for a new substation to replace the existing substation behind the Bangor Water District. A new substation is necessary for several reasons including the age of the existing substation, (over 50 years old), need for additional electric capacity to adequately service the hospital expansion, and more reliable service for the east side neighborhood.

Both parties have worked well together and believe that they have found a location on the southeast side of the Park that can provide Emera with the space they need for a new substation while minimizing the overall impacts to the Park.

Emera has also committed to providing financial support to the Park to help with future improvements and maintenance. A summary of Emera's efforts to minimize impacts to the Park as well as their mitigation plan is included with this memo.



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| <ul style="list-style-type: none"> <li> Transmission</li> <li> Meadow Buffer</li> <li> New Tree Line</li> <li> Substation &amp; Access Road</li> <li> Stream (Approximate)</li> <li> New Trail</li> <li> Drainage Swale</li> <li><ul style="list-style-type: none"> <li> New Poles</li> <li> Existing Poles</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li> New Distribution</li> <li> Parcels</li> <li> Wastewater &amp; Storm Lines</li> <li> Relocated Bangor Water District Lines</li> <li> Bangor Water District Lines</li> <li> Existing Right-of-Way</li> <li> Delineated Wetlands</li> </ul> |
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DATA SOURCES: MAINE OFFICE OF GIS, CES INC, SPAULDING-ENGINEERING AND EMERA MAINE.

PROJECTION: NAD 1983 UTM ZONE 19N

## PROPOSED WATERWORKS SUBSTATION & NEW ACCESS ROAD

### EMERA MAINE



DATE: JANUARY 2015

# Mitigation Elements

- Reroute trails around site
- Provide \$10,000 for new signage, kiosks and gardens
- Establish \$100,000 perpetual maintenance fund for annual mowing and hay removal
- Provide \$15,000 for SPC to use to support long-term park protection
- Provide a letter of support for legislative action related to park protection

# Impact Minimization Elements

- Placement in southeast corner of the Park
- Substation layout for best fit within natural terrain
- Site design to reduce elevation and impact with cut and fill
- Compact substation design to reduce overall footprint
- Underground distribution line connections
- Underground ducts located to utilize existing trails, replace foot bridge, follow natural terrain and avoid wetland impact and tree clearing
- Planted vegetative screening
- Strategic use of existing vegetative screening and preservation of old growth trees
- Natural re-vegetation of slopes
- Colored composite poles near the substation site
- Compact transmission line configuration and covered conductor
- Re-use of existing line corridors & substation site for line interconnectivity
- No expansion of Mount Hope ROW corridor

To: Infrastructure Committee  
From: Engineering Department  
Date: January 22, 2015  
Re: Discussion Concerning River Ice on the Penobscot

Staff from the City of Bangor has recently attended a presentation put on by the U.S. Geological Survey (USGS) concerning river ice and susceptibility to flooding due to winter and spring rain events, snow melt, and ice jams. Of particular interest for Bangor is the recent removal of the Veazie Dam and how this will impact the river flow with ice conditions during winter and spring rain events.

Based on discussions at the attended seminar, the removal of the Veazie dam may increase the amount of supply ice to the Bangor area which can result in greater probability of ice jams occurring within our portion of the Penobscot River. Historical river stage data that has been utilized in the past to forecast potential flooding is no longer reliable with the removal of the Veazie dam.

City Departments will be contacting the Coast Guard to discuss scheduling for ice breaking of the river to reduce the potential for ice jams. The City will also be putting a renewed effort on developing a system for better communicating with downtown businesses that are more at risk to damages resulting from river flood events.