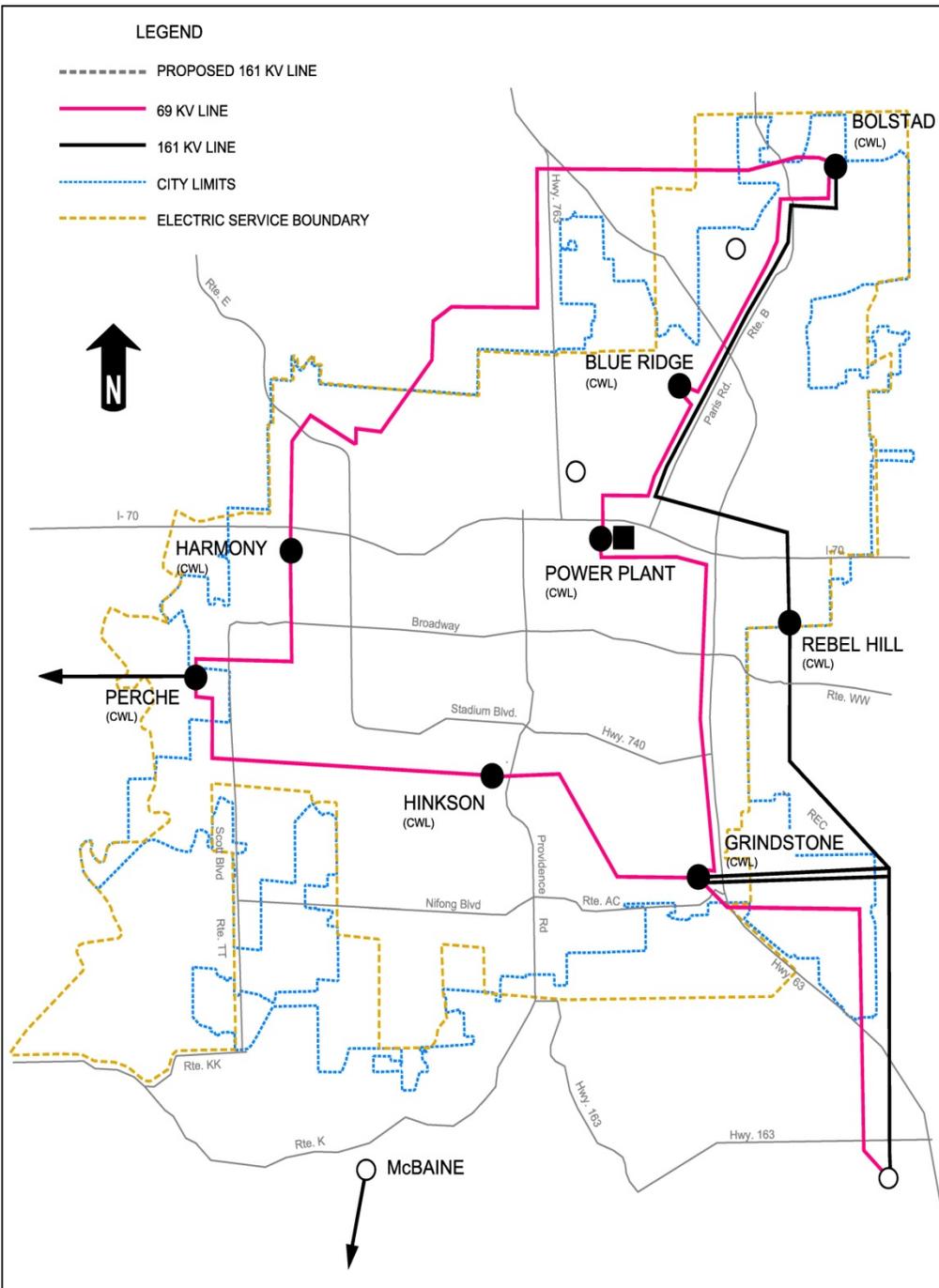


## The Need

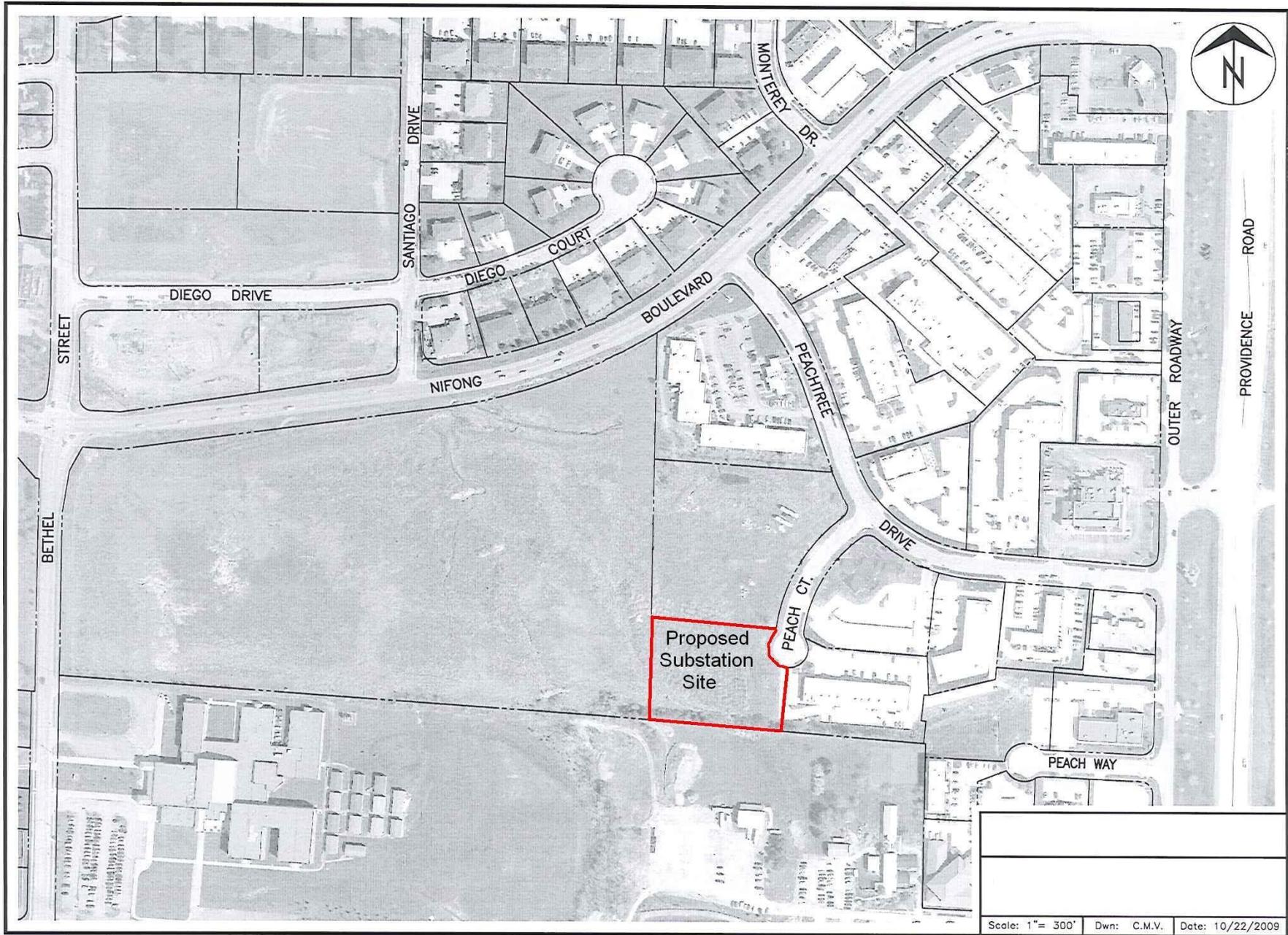
- **Increase Transmission Import Capability**
  - Approximately 90% of energy for the Columbia Water and Light (CWL) is imported through 161KV transmission Lines.
- **Increase Substation Load Serving Capability**
  - Load growth has occurred in the Southwest portion of our services territory



# The Need Summary:

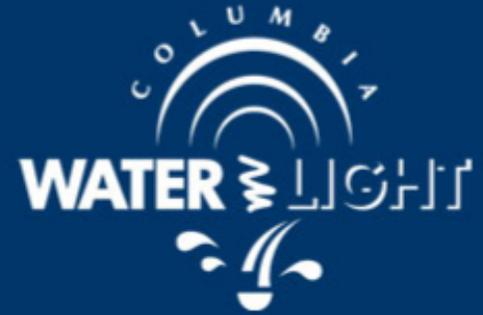
Need to:

- Add an additional 161 KV source in the west side of the CWL system
- Add more load serving capability in the south side of the CWL system



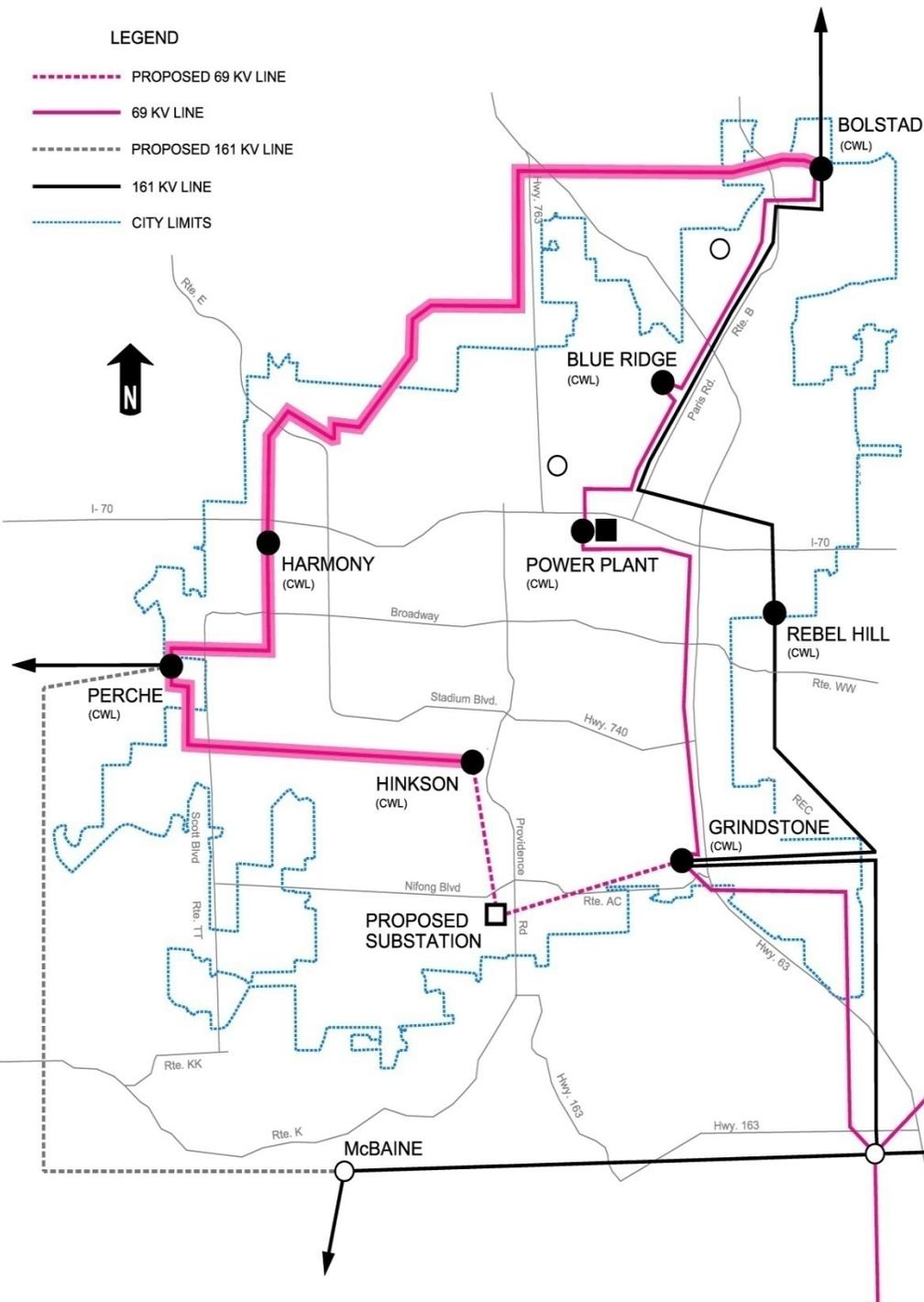
Scale: 1" = 300' Dwn: C.M.V. Date: 10/22/2009

# Project History



- **Transmission Connections**
  - **Option A**
    - **Three 161 KV Lines**
  - **Option B**
    - **Two 69 KV Connections**
    - **One 161 KV Connection**



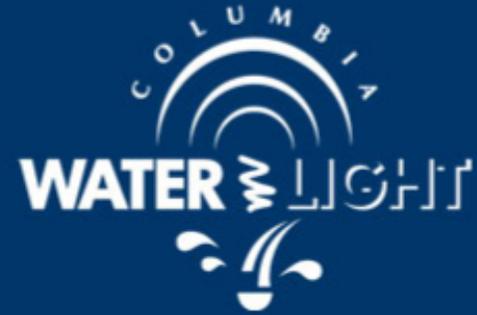


## Option B Connections

One 161 kV and Two 69 kV Lines

- Supply new substation by inserting into existing 69 kV loop between Grindstone and Hinkson.
- Perimeter 161 kV line from McBaine to Perche Creek

# Project History



- **Transmission Activities for Option A**

- October 2010: Three open houses hosted to introduce the project to the public, one for each line section

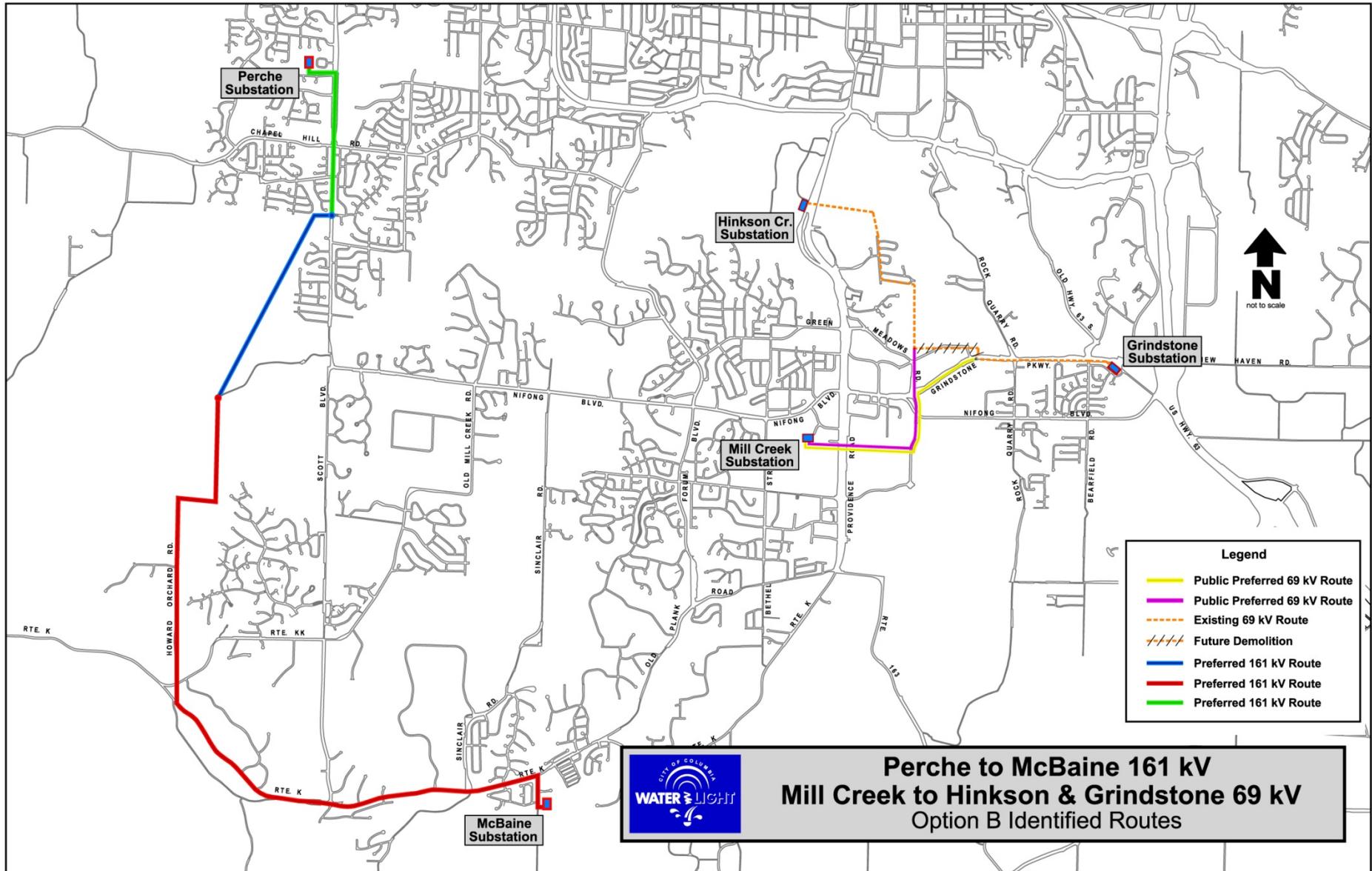
- April 2011: Report to Council Reviewing the Project Need and Preferred Options.

- **Transmission Activities for Option B**

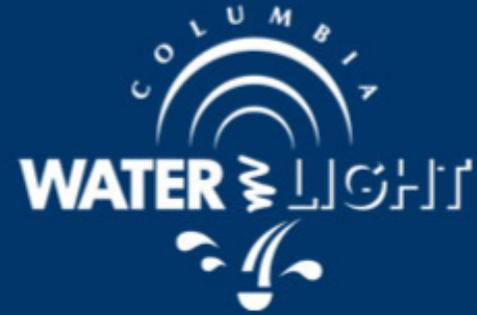
- September 2011: An open house hosted to introduce the project to the public.

- August 2012: Report to Council Reviewing the Project Need and Preferred Options.

# Option B as selected by Matrix

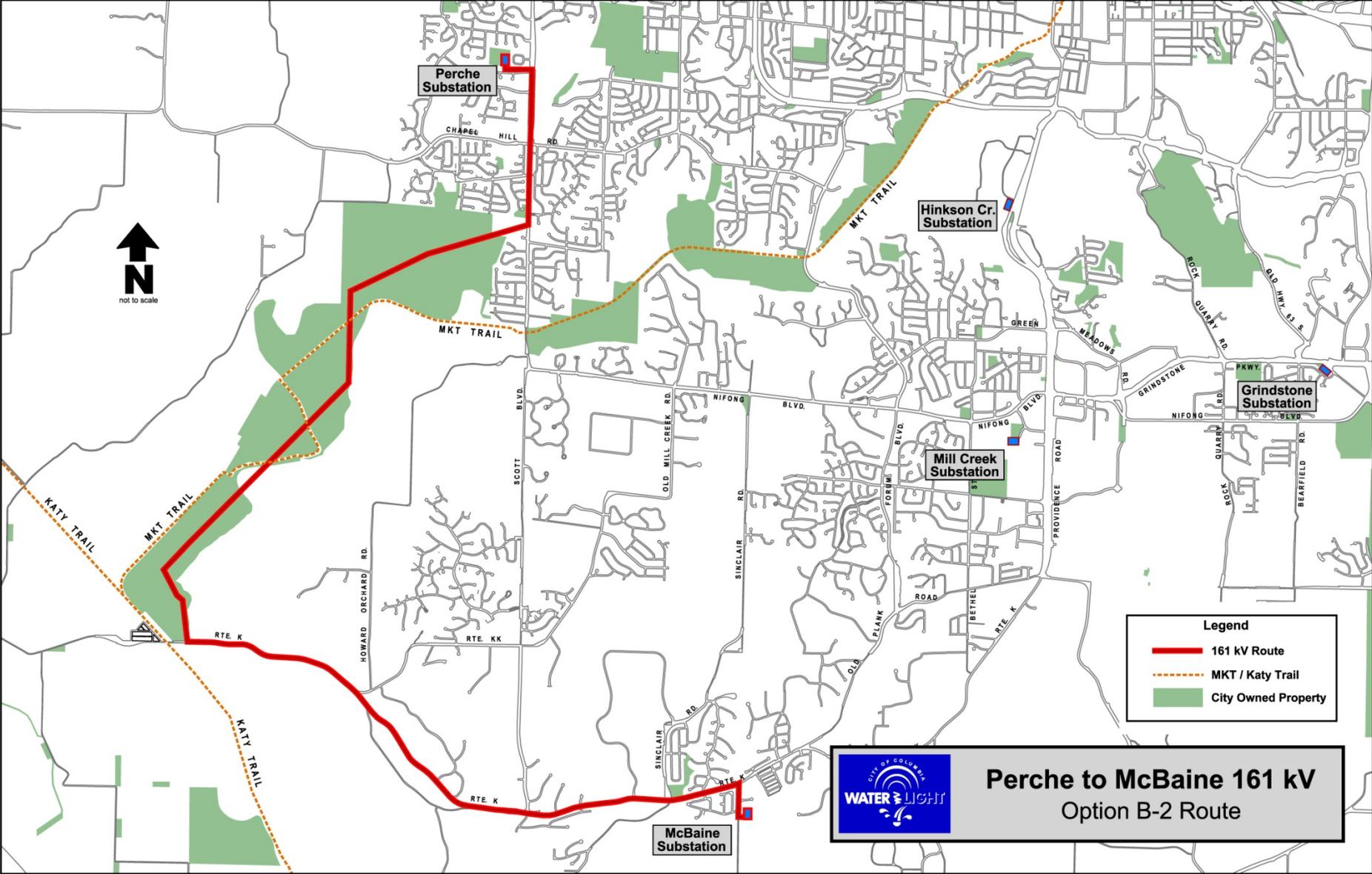


## Option B -2

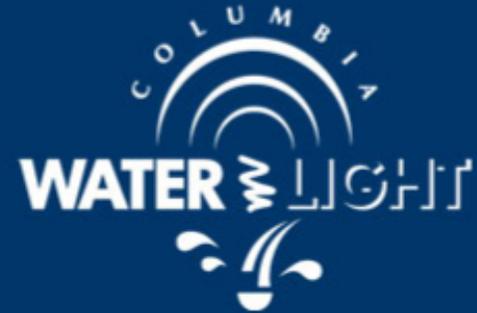


- Constructed on land currently owned by the City. 34% of the length of the line is City owned property.
- Not originally identified by SEGA due to excessive length. 22% longer than current 161 kV route in Option B

# Option B-2 Proposed



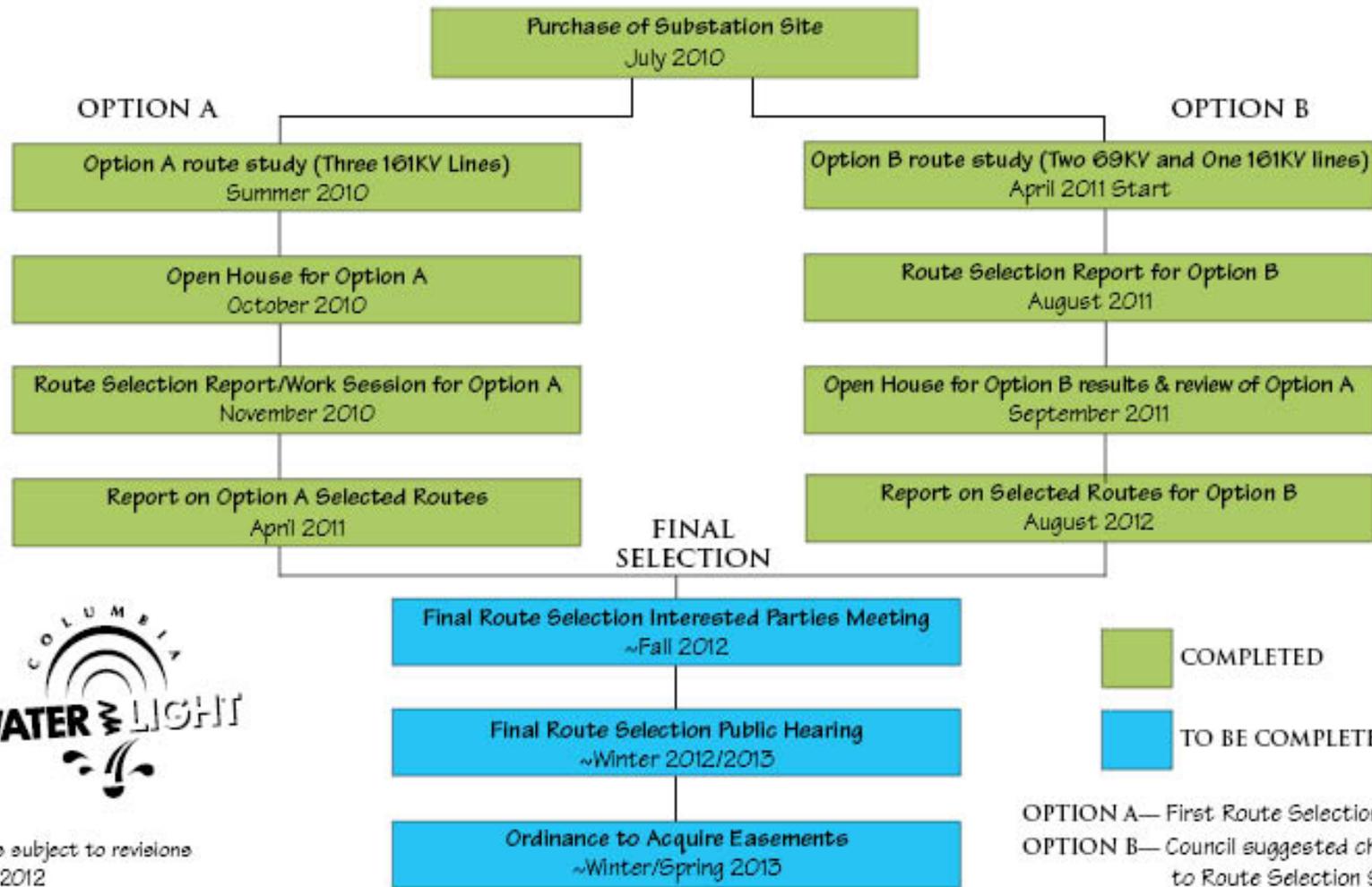
# Next Steps



- **Update Website**
  - Summary of Public Comments
  - Next Open House Material
- **Final Open House**
  - Fall 2012
- **Final Update and Public Hearing**
  - Winter 2013

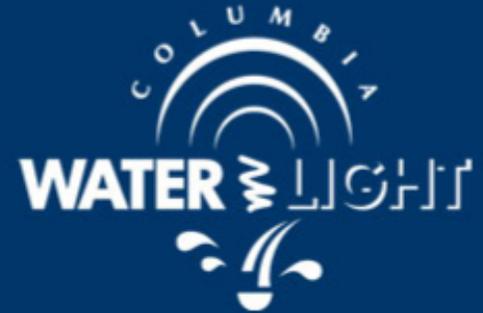
# CITY OF COLUMBIA COLUMBIA WATER & LIGHT

## Mill Creek Substation Transmission Line Routing Project Time Line



Timeline is subject to revisions  
AUGUST 2012

# Questions



- Web Page:

[http://www.gocolumbiamo.com/WaterandLight/  
Electric/ProposedElectricTransmission.php](http://www.gocolumbiamo.com/WaterandLight/Electric/ProposedElectricTransmission.php)

- List Serv:

[http://www.gocolumbiamo.com/Web Mail/](http://www.gocolumbiamo.com/Web_Mail/)

- Comments:

WLmail@GoColumbiaMo.com