



SRRTEP West Committee ComEd Supplemental Projects

April 23, 2019

Solutions

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process

Need Number: COMED-2019-0002

Process Stage: Solutions Meeting 4/23/2019

Previously Presented:

Need 3/25/2019

Supplemental Project Driver:

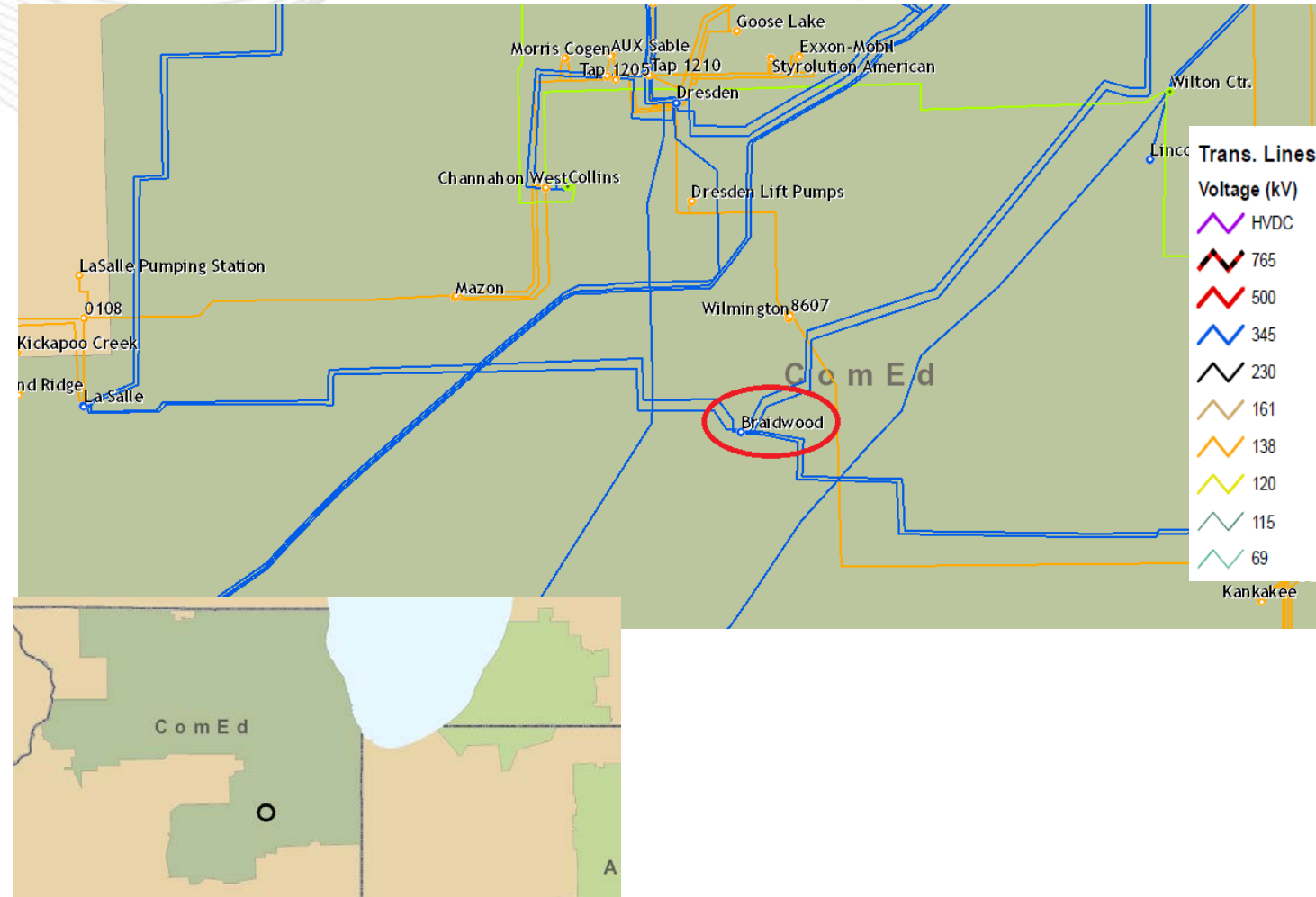
Equipment Material Condition

Specific Assumption References:

- December 5, 2018 ComEd Annual Assumptions
 - Transmission infrastructure replacement (EOL/condition/obsolescence) that are consistent with the efficient asset management decisions

Problem Statement:

- Station 20 Braidwood 345 kV bus tie 11-14
 - Replacement parts are difficult to acquire
 - Bushings are at end of life
 - Manufactured in 1978



Need Number: COMED-2019-0002

Process Stage: Solutions Meeting 4/23/2019

Potential Solution:

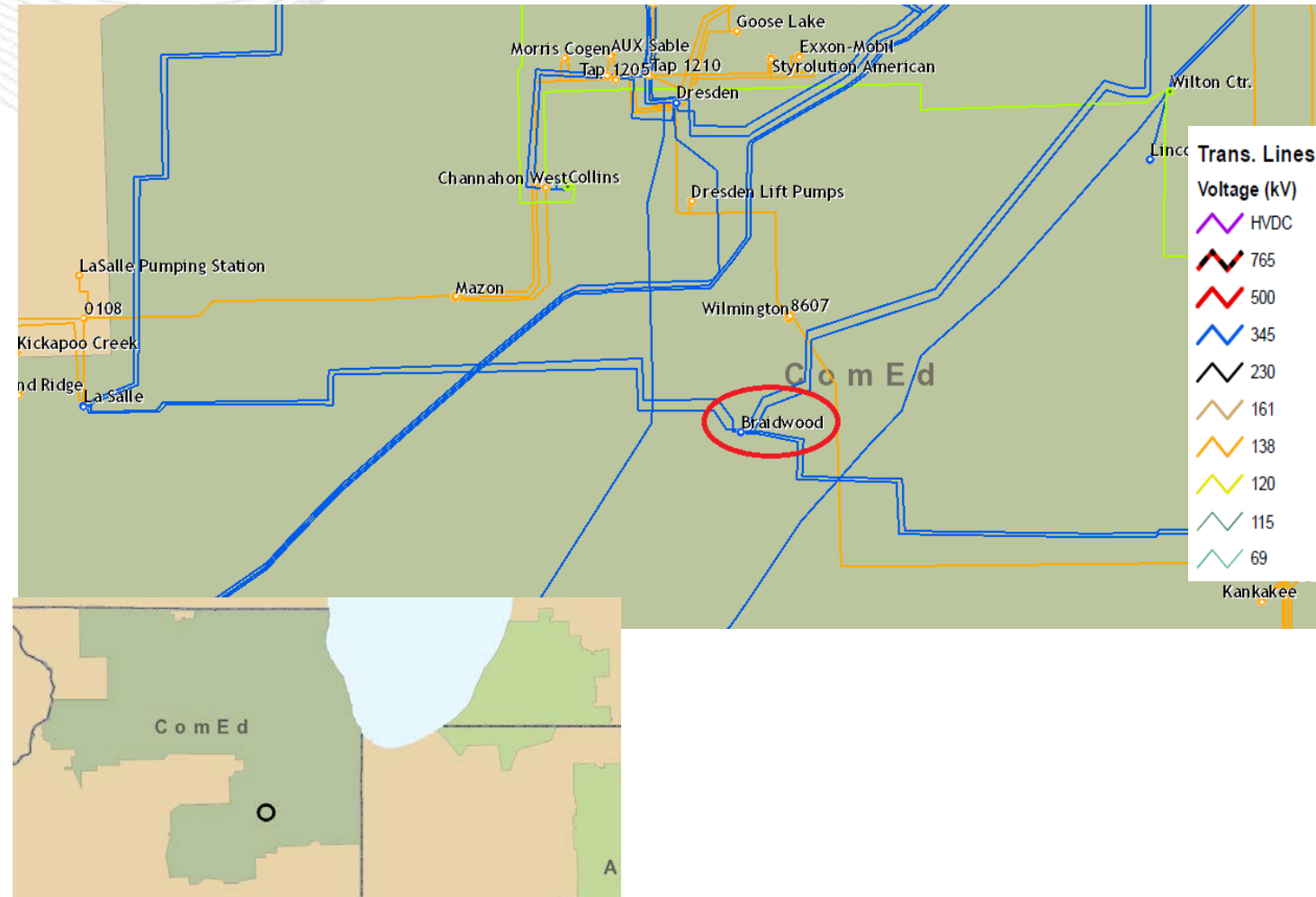
Replace Station 20 Braidwood 345 kV bus tie 11-14 breaker

Estimated Cost: \$2 M

Alternatives Considered:

None

Projected In-Service: 6/30/2021



Need Number: COMED-2019-0004

Process Stage: Solutions Meeting 4/23/2019

Previously Presented:

Need 3/25/2019

Supplemental Project Driver:

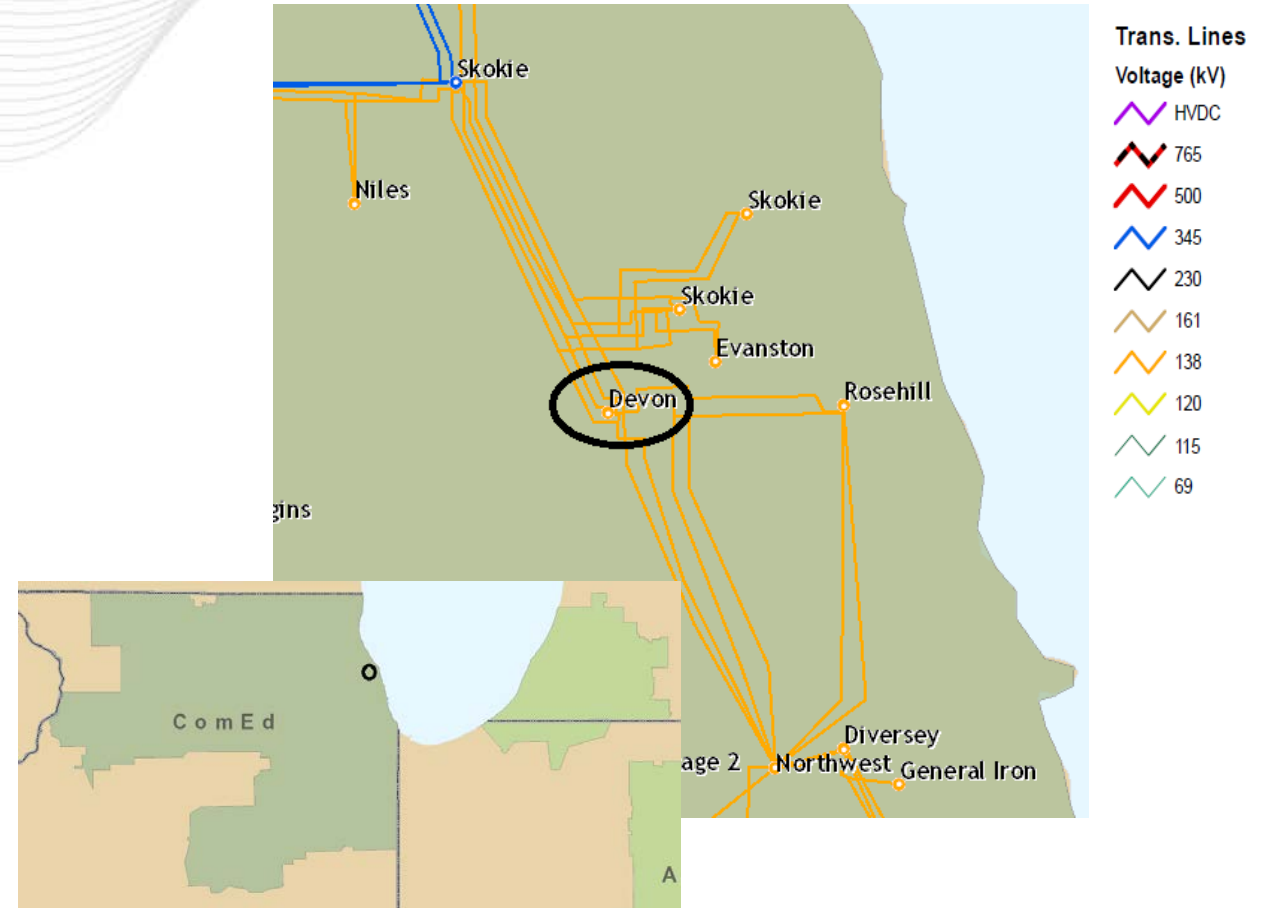
Customer Service

Specific Assumption References:

- December 5, 2018 ComEd Annual Assumptions
 - Transmission System configuration changes due to expansion of existing distribution substations

Problem Statement:

- Distribution has asked for an additional 12 kV transformer connection at Devon



Need Number: COMED-2019-0004

Process Stage: Solutions Meeting 4/23/2019

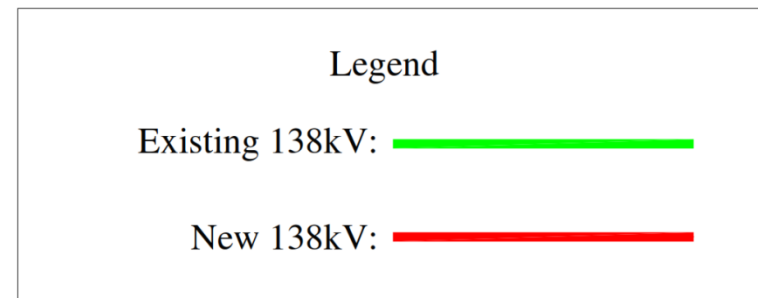
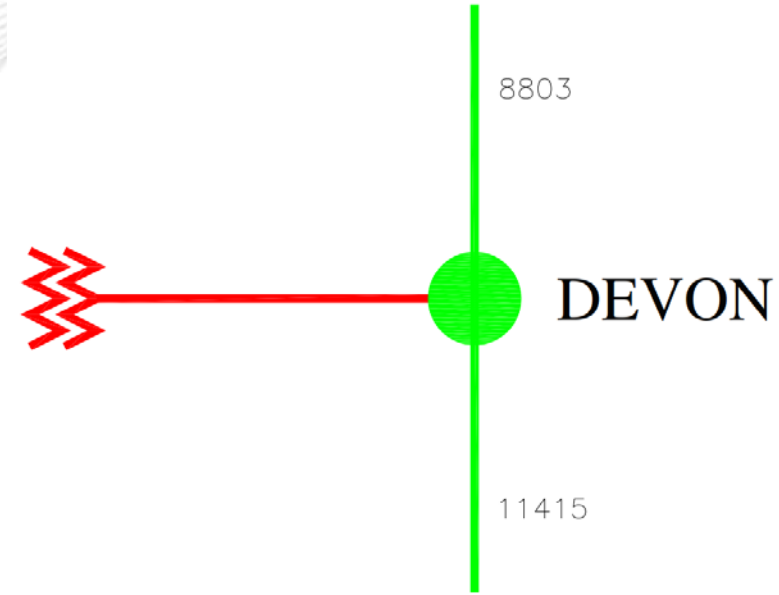
Install new transformer and install new line breaker on the Skokie -
Devon 138 kV line 8803 at Devon

Estimated Cost: \$1.8 M

Alternatives Considered:

None

Projected In-Service: 12/31/2020



Need Number: COMED-2019-0005

Process Stage: Solutions Meeting 4/23/2019

Previously Presented:

Need 3/25/2019

Supplemental Project Driver:

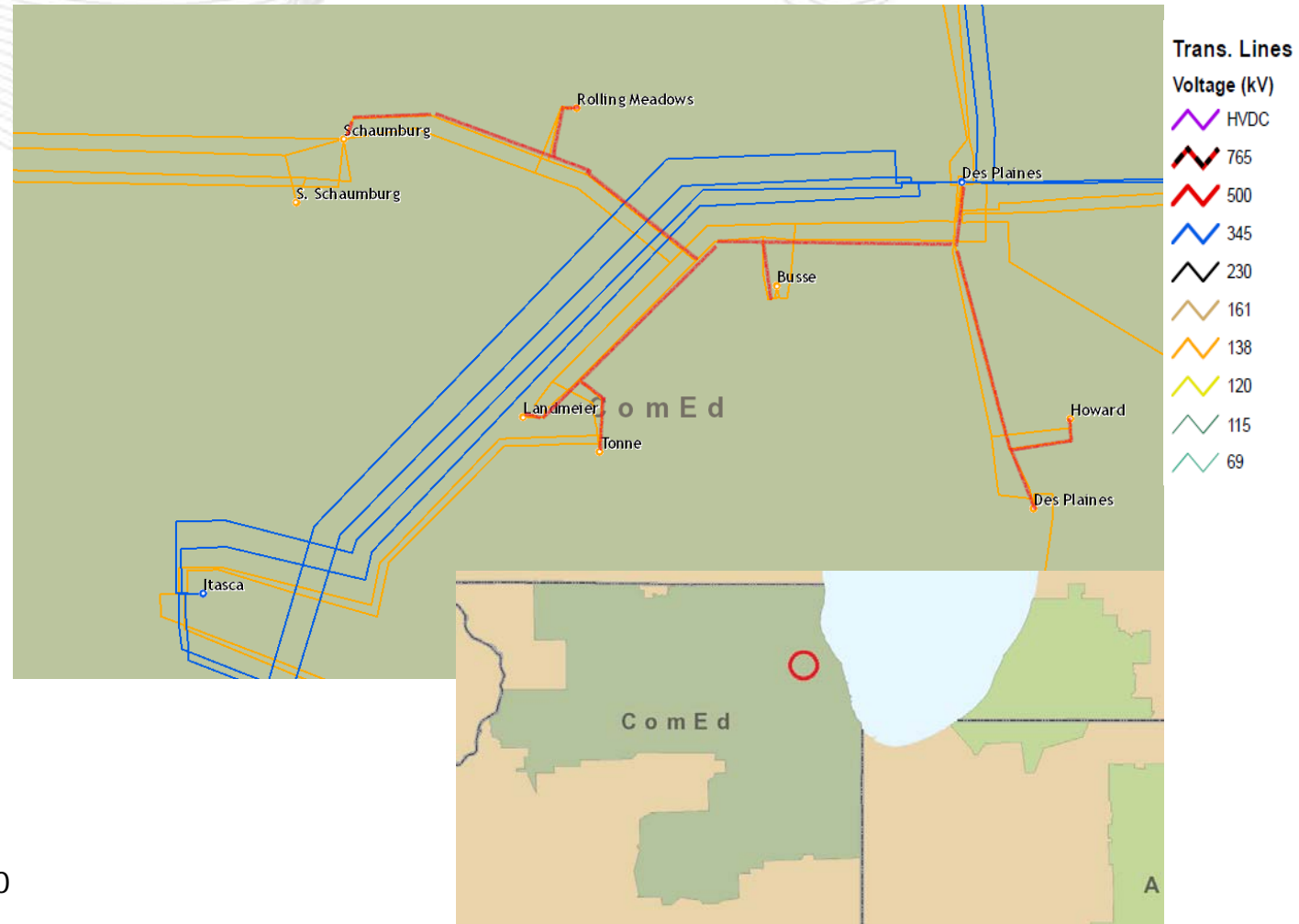
Operational Flexibility and Efficiency

Specific Assumption References:

- December 5, 2018 ComEd Annual Assumptions
 - Enhancing system functionality, flexibility, or operability

Problem Statement:

- 138 kV line 4605 is a three-terminal line
 - TSS 46 Des Plaines
 - TSS 198 Des Plaines
 - TDC 207 Tonne (future Elk Grove)
- Elk Grove project b2941 will cut into the line
- The current configuration is very difficult to relay properly due to unequal lengths of the three legs



Need Number: COMED-2019-0005

Process Stage: Solutions Meeting 4/23/2019

Potential Solution:

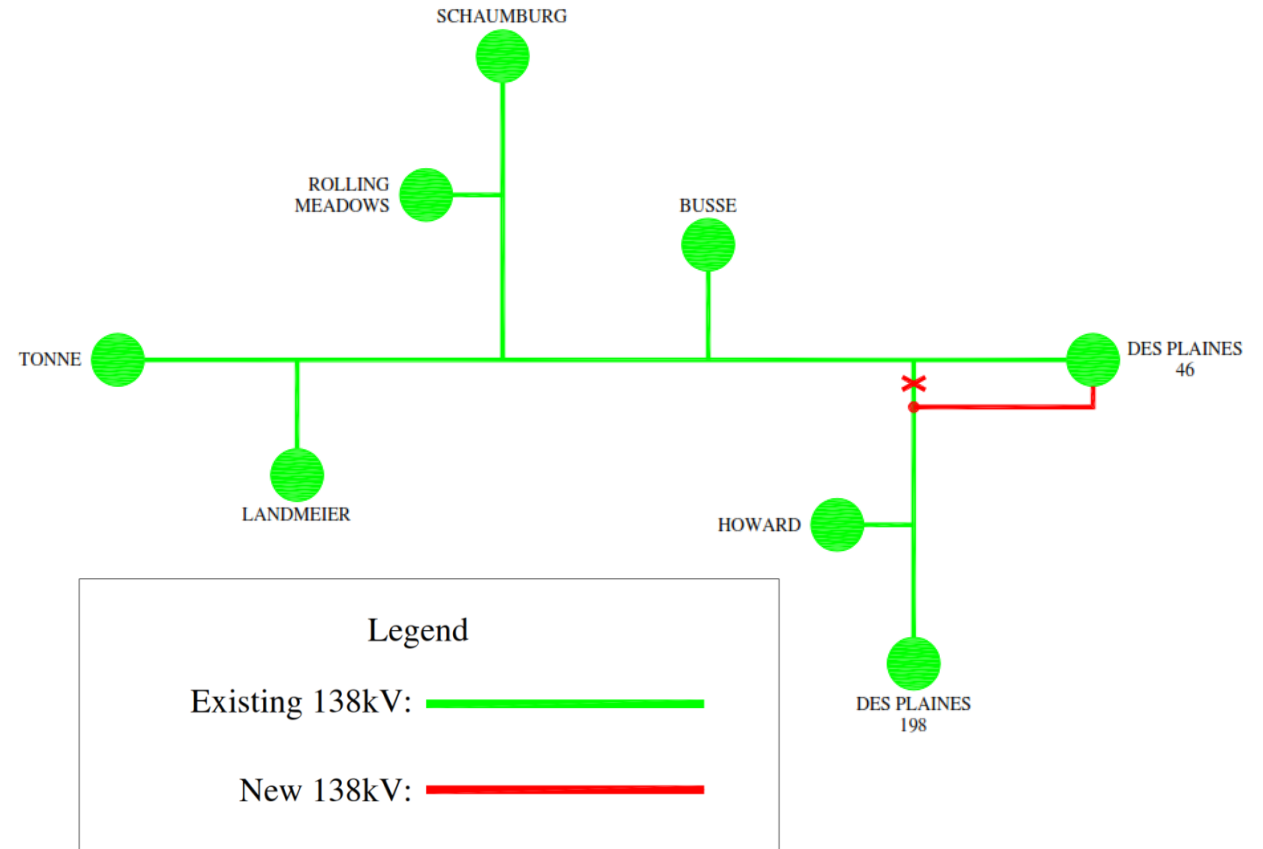
Connect Des Plaines 198 tap directly into Des Plaines 46

Estimated Cost: \$4.2 M

Alternatives Considered:

Do Nothing \$0 M

Projected In-Service: 12/31/2020





Appendix



High level M-3 Meeting Schedule

Assumptions

Activity	Timing
Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
Stakeholder comments	10 days after Assumptions Meeting

Needs

Activity	Timing
TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
Stakeholder comments	10 days after Needs Meeting

Solutions

Activity	Timing
TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
Stakeholder comments	10 days after Solutions Meeting

Submission of Supplemental Projects & Local Plan

Activity	Timing
Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
Post selected solution(s)	Following completion of DNH analysis
Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions



Revision History

4/12/2019 – V1 – Original version posted to pjm.com