



PSE&G Local Plan Submission



PSEG Transmission Zone

Need Number: PSEG-2018-0001

Need Presented: 9/21/2018

Solution Presented: 10/29/2018

Selected Solution Posted: 12/19/2018

Process Stage: Local Plan Submission

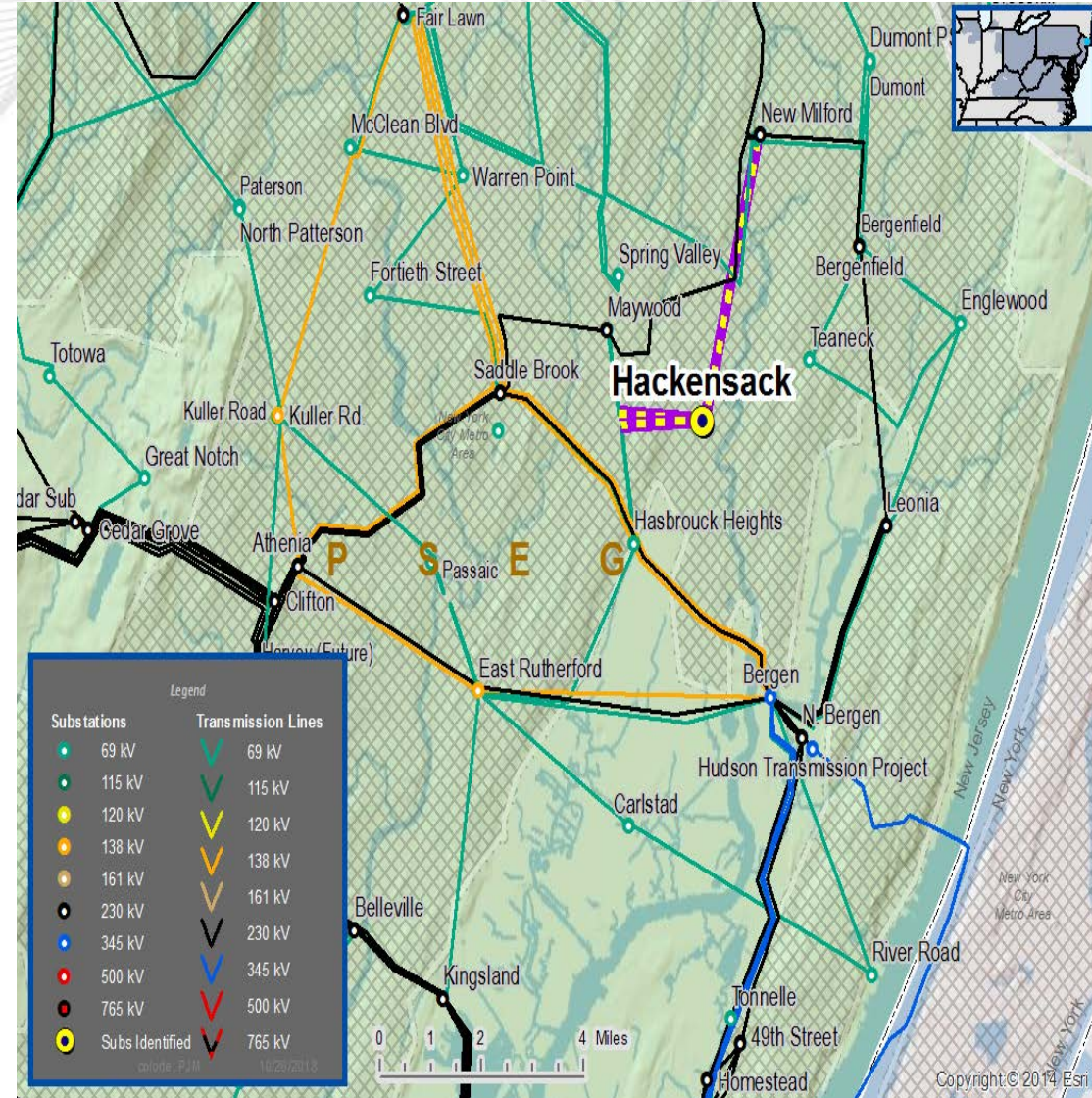
Supplemental Project Drivers: Equipment Material Condition, Performance and Risk

Problem Statement:

- Hackensack is supplied by 26kV circuits with increasing performance problems.
 - Over the past decade, the 26kV supply circuits have seen significant momentary and extended outages, with total duration of hundreds of hours.
- Station equipment at Hackensack has been in service for over 60 years. This equipment has been identified as being in poor condition and needs to be addressed.
 - Hackensack serves roughly 5,000 customers and 30 MVA of load

Specific Assumption References:

- [August 2017 26kV to 69kV PSE&G Presentation](#)
- [PSE&G 2018 Annual Assumptions](#)



Need Number: PSEG-2018-0001

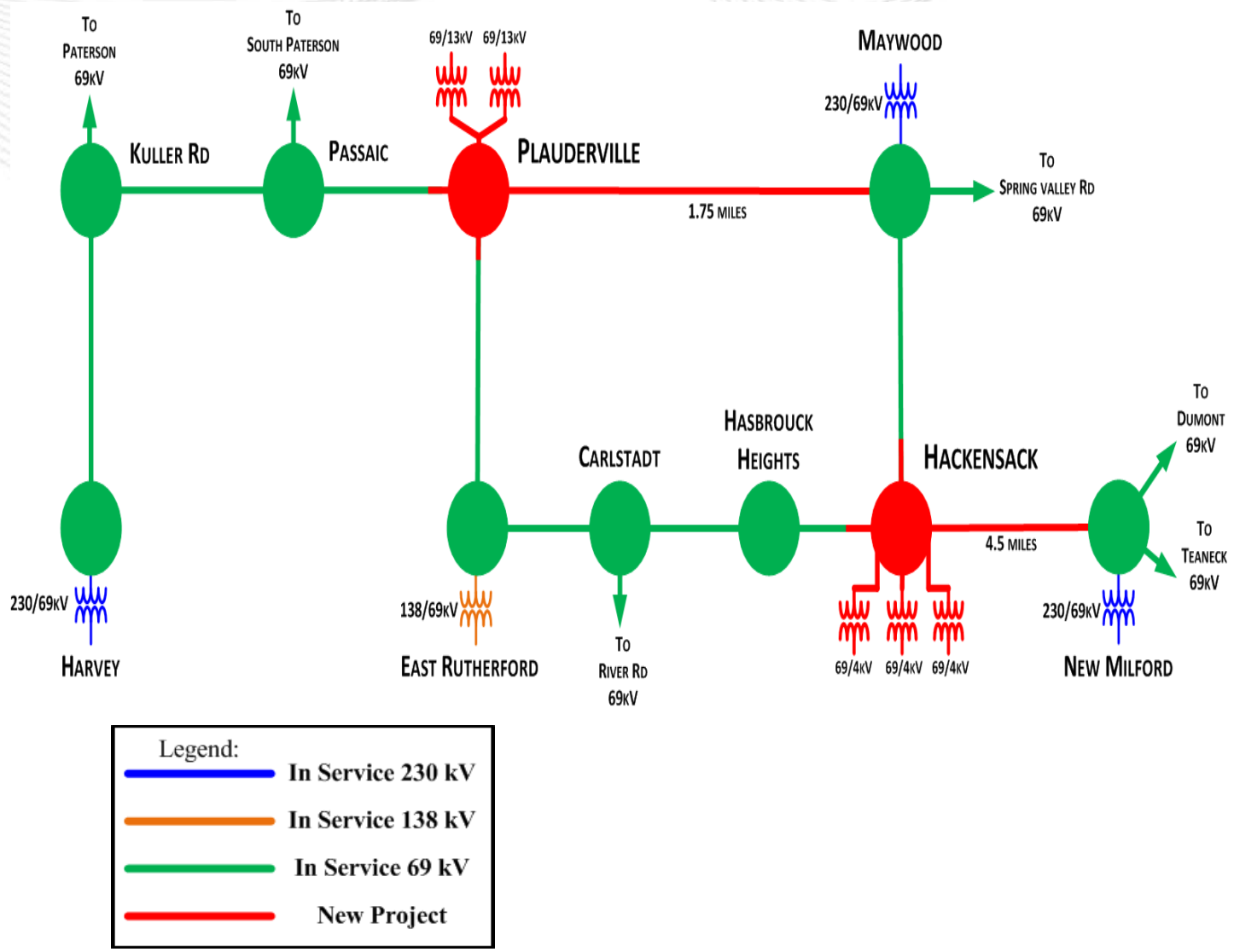
Solution:

- Hackensack Station Upgrade
 - Install a 69kV ring bus with three (3) 69/4kV transformers.
 - Construct a 69kV network between Hackensack, Hasbrouck Heights, Maywood, and New Milford.

Estimated Cost: \$83M

Projected In-Service Date: 05/2023

Supplemental Project Number: S1752





PSEG Transmission Zone

Need Number: PSEG-2018-0002

Need Presented: 9/21/2018

Solution Presented: 10/29/2018

Selected Solution Posted: 12/19/2018

Process Stage: Local Plan Submission

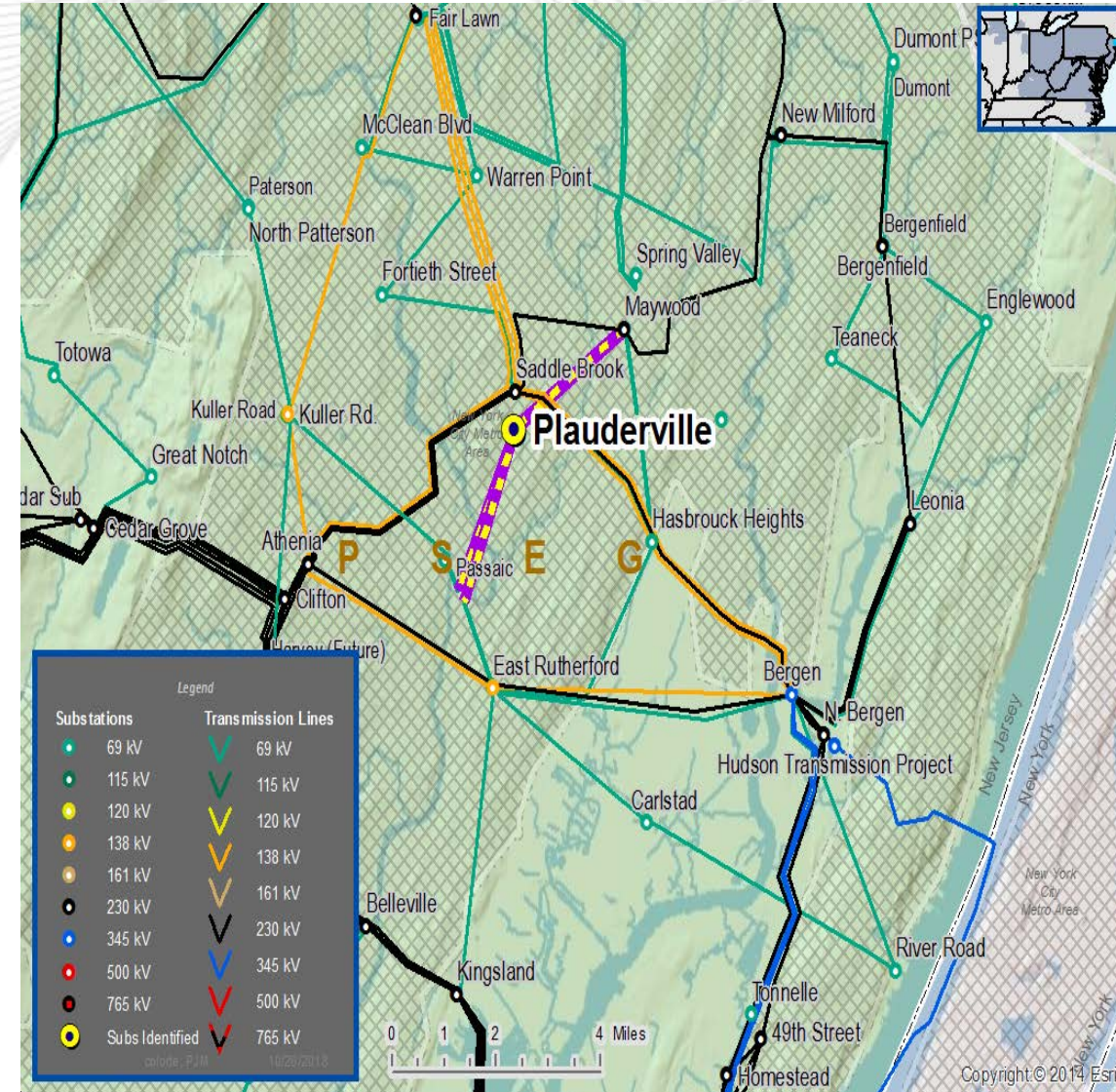
Supplemental Project Drivers: Equipment Material Condition, Performance and Risk; Customer Service

Problem Statement:

- Plauderville is supplied by 26kV circuits with increasing performance problems.
 - Over the past decade, the 26kV supply circuits have seen significant momentary and extended outages, with total duration of hundreds of hours.
- Station equipment at Plauderville has been in service for over 60 years. This equipment has been identified as being in poor condition and needs to be addressed. The station has outdoor metal clad switchgear that has resulted in rust and leaks over time, which causes bus failures.
 - Plauderville serves roughly 3,000 customers and 15 MVA of load.
- Stations around Plauderville are at or near capacity. There is a need for additional capacity in the area.
 - Maywood serves roughly 26,000 customers and 110 MVA of load.
 - Saddle Brook serves roughly 35,000 customers and 137 MVA of load.

Specific Assumption References:

- [August 2017 26kV to 69kV PSE&G Presentation](#)
- [PSE&G 2018 Annual Assumptions](#)



Need Number: PSEG-2018-0002

Solution:

- Plauderville Station Upgrade
 - Purchase nearby property to accommodate new construction.
 - Install a 69kV ring bus with two (2) 69/13kV transformers.
 - Construct a 69kV network between East Rutherford, Maywood, Passaic, and Plauderville.

Estimated Cost: \$94M

Projected In-Service Date: 05/2023

Supplemental Project Number: S1753

