



HUNTER SUBSTATION REPLACEMENT PROJECT

Public Utilities Department

City Council
March 9, 2021

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1

BACKGROUND

Existing Hunter Substation:

1. Located on Chicago Ave., north of Marlborough Ave
2. Serves 4,700 customers
3. Built in 1960 (one of the oldest electrical substations)
4. Maximum capacity



2

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2

BACKGROUND (CONT.)

Electric system operational opportunities (needs):

1. Replace aging substation equipment
2. Increase capacity to serve future customer loads
3. Address seismic deficiencies
4. Alleviate overloading of neighboring substations
5. Improve employee safety
6. Improve system reliability



3

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3

IMPROVEMENTS

1. On February 27, 2018, City Council approved the acquisition of land adjacent to the existing substation.
2. Proposed project to address needs:
 - a. Building new substation on recently acquired land
 - b. Retiring old substation after commissioning the new substation
 - c. Constructing new distribution circuits for forecasted loads



4

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4

PROJECT LOCATION



5

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5

EXISTING SUBSTATION



6

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6

NEW SUBSTATION

1. Constructed on the newly acquired land
2. State of the art substation equipment
3. Four sub-transmission lines
4. Four substation power transformers
5. Sixteen distribution circuits

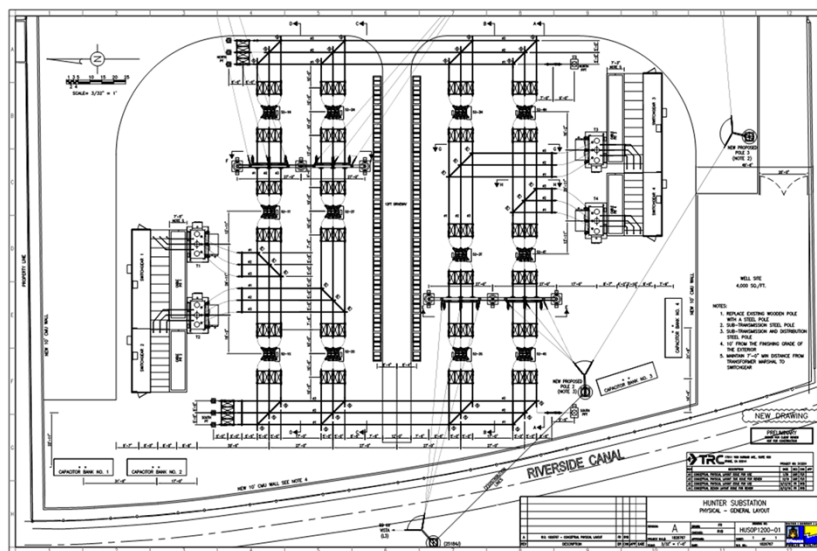


7

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7

NEW SUBSTATION



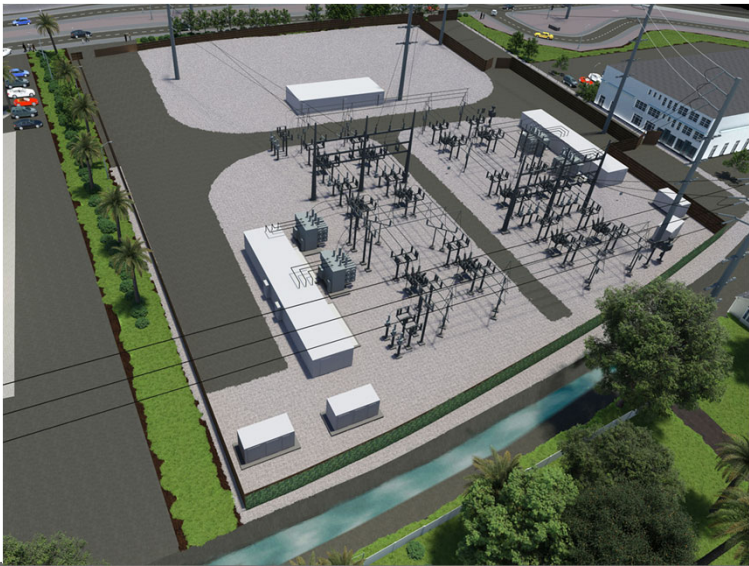
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8

NEW SUBSTATION



9

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NEW SUBSTATION



10

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NEW SUBSTATION



11

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11

MITIGATED NEGATIVE DECLARATION

1. Project required Initial Study
2. Mitigated Negative Declaration
 - a. Study prepared by TRC Companies, Inc.
 - b. Circulated for 24-day review (July 28 to August 22, 2020)
 - c. No comments were received
 - d. Final IS/MND was completed with no comments
3. Findings
 - a. No significant adverse effects on environment with mitigation



12

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12

MITIGATED NEGATIVE DECLARATION (CONT.)

4. Mitigation Measures

- a. Tribal Consultation
- b. Archaeological, Tribal and Paleontological Monitoring
- c. Treatment and Disposition of Cultural Resources
- d. Cultural Sensitivity Training



13

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13

PROJECT BREAKDOWN

Project and Fiscal Breakdown	
Project Management and Engineering	RPU Engineering
Construction	EPC Contactor
Request for Proposals	March 2021
Award of Contract	September 2021
Anticipated Completion Date:	March 2024
Estimated Project Cost	\$28,000,000



14

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14

RECOMMENDATIONS

That the City Council:

1. Adopt a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the Hunter Substation Replacement Project; and
2. Approve the Hunter Substation Replacement Project.



15

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