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COMMUNITY DEVELOPMENT DEPT

posi⊕ive ENERGY

**ML&P 5-YEAR PLAN  
2015-2019**

**FOR THE REMOVAL  
OF NON-CONFORMING OVERHEAD LINES  
IN ACCORDANCE WITH MOA TITLE 21.07.050**

PLEASE RETURN COMMENTS TO:

Municipality of Anchorage  
Planning Division/Current Planning Section  
P.O. Box 196650  
Anchorage, Alaska 99519-6650  
Phone: 907-343-7943

**CASE NO:** 2015-0018

**REQUEST:** Administrative Review per AMC 21.07.050.G of the Municipal Light & Power Five Year Undergrounding Plan (2015-2019). This Five Year Undergrounding Plan shall be consistent with AMC 21.90.070 (Non-Conforming Overhead Lines). **\*\*THIS IS NOT A PUBLIC HEARING\*\***

**SITE ADDRESS:** N/A

**CURRENT ZONE:** N/A

**ORIG SUBD/LEGAL:** N/A

**COMMENTS AND DECISION SCHEDULE**

Administrative Decision

**Decision Date:** Friday, March 20, 2015

**Agency Comments Due:** Friday, March 06, 2015

**Council Comments Due:** Tuesday, March 10, 2015

**COMMUNITY COUNCIL(S):**

Not Applicable

Municipality of Anchorage  
Planning Division, Current Planning Section  
4700 Elmore Road  
Anchorage, Alaska

# TITLE 21 PROJECT

Arctic to Aurora

North Star Community Council: Thompson Subdivision



**ML&P**  
positiveENERGY

## PROJECT DESCRIPTION

This project will underground power lines in the neighborhood east of Arctic Blvd., south of 19th Avenue, north of 22nd Avenue and west of Aurora Drive. Currently there are access issues as the lines are located in backyards. This project has been requested by the neighborhood and is the top priority underground project in the North Star Community Council.



VICINITY MAP



### Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1430 & 1530

# TITLE 21 PROJECT

## Eureka Street/Fireweed Lane

North Star Community Council: Wharton Subdivision



**ML&P**

positiveENERGY

### PROJECT DESCRIPTION

This undergrounding project will begin at Fireweed Lane and Eureka and head north. A switch cabinet may also be placed and a loop connected to xfmr #6325 at map point 1530-58J. The project may be coordinated with the Fireweed Road Project and economies may be achieved with the relocation of these lines. This project is in the Target Area described in the Title 21 Underground Ordinance because it will remove overhead lines adjacent to a school site, North Star Elementary.



VICINITY MAP



#### Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1530

M/LD ENGINEERING  
MOA TITLE 21.07.050 - NON-CONFORMING OVERHEAD LINES REMOVAL  
5-YEAR PLAN 2015 TO 2019

2014		2015		2016		2017		2018		2019	
Title 21 Requirement (1000) = \$2,037.6		Title 21 Requirement (1000) = \$2,324.1		Title 21 Requirement (1000) = \$2,565.5		Title 21 Requirement (1000) = \$2,912.6		Title 21 Requirement (1000) = \$2,900.0		Title 21 Requirement (1000) = \$2,900.0	
Debit or (Credit) from 2013	Debit	Debit or (Credit) from 2014	Debit	Debit or (Credit) from 2015	Debit	Debit or (Credit) from 2016	Debit	Debit or (Credit) from 2017	Debit	Debit or (Credit) from 2018	Credit
Funding Available to Spend	\$3,113.6	Funding Available to Spend	\$3,920.2	Funding Available to Spend	\$3,460.8	Funding Available to Spend	\$3,490.3	Funding Available to Spend	\$3,823.3	Funding Available to Spend	\$3,553.3
Proposed Projects	W.O. (S1000)	Proposed Projects	W.O. (S1000)	Proposed Projects	W.O. (S1000)	Proposed Projects	W.O. (S1000)	Proposed Projects	W.O. (S1000)	Proposed Projects	W.O. (S1000)
Misc. Annual Constr.	\$178.8	Misc. Annual Constr.	\$250.0	Misc. Annual Constr.	\$250.0	Misc. Annual Constr.	\$300.0	Misc. Annual Constr.	\$300.0	Misc. Annual Constr.	\$355.0
Norene Street - IC & OC	10800 10912	Eureka Drive - D	\$75.0	Eureka Drive - IC	\$250.0	Eureka Drive - OC	\$1,200.0	Arctic Benson Park - D	\$75.0	Arctic Benson Park - OC	\$500.0
Lake Ous & Maple - IC	11025	Lake Ous & Maple - OC	11207 \$1,950.0	5th/7th & M/N St. - D	\$75.0	5th/7th & M/N St. - IC	\$150.0	5th/7th & M/N St. - OC	\$1,000.0	Mc View Lions Park - D	\$150.0
Delaney St. - D	11305	Delaney St. - IC	11305 \$150.0	Delaney St. - OC	11305 \$900.0	3/4 Alley - Eagle to Ingra - D	\$350.0	3/4 Alley - Eagle to Ingra - IC & OC	\$800.0		
7/8 - JK Alley - OC	10829 11227	Bannister Drive - D & IC	\$100.0	Bannister Drive - OC	\$900.0	Arctic & 27th - D	\$75.0	Arctic & 27th - IC	\$345.0	Arctic & 27th - OC	\$1,250.0
Bentice/N.L. - OC	10840 10930					Arctic to Aurora - D	\$150.0	Arctic to Aurora - IC	\$800.0		
Project Sub-Total	\$1,519.4	Project Sub-Total	\$3,025.0	Project Sub-Total	\$2,875.0	Project Sub-Total	\$2,575.0	Project Sub-Total	\$3,170.0	Project Sub-Total	\$3,555.0
Remaining T-21 Funds	\$1,596.2	Remaining T-21 Funds	\$895.2	Remaining T-21 Funds	\$585.8	Remaining T-21 Funds	\$923.3	Remaining T-21 Funds	\$653.3	Remaining T-21 Funds	-\$1.7

- NOTES:
1. Projects listed are for planning purposes only. A listed project does not guarantee the project will be constructed in that respective year.
  2. Costs for 2014 are actual as of 12/31/2014. Project Cost Reporting, all other chart amounts are estimated.
  3. End of year construction for 2014 is expected to be greater than YTD. Actual money spent in 2014 will be reconciled in the first quarter of 2015.
  4. Misc. Annual Constr. = Blanket Workorders (ex: overhead service retirements and a percentage of new services)
  5. IC = Inside Conversion Expense, OC = Outside Construction Expense, D = Design Expense

Proposed expenditures: \$13,603.8  
 Five-year requirement: \$13,602.2  
 Debit or (Credit) carry over for year 2019 and on: (\$1.7)

## I. INTRODUCTION

Municipal Light and Power, ML&P, has been placing new distribution lines underground since the 1960s and burying existing overhead distribution lines since the early 1980s. On March 1, 2005, the Anchorage Assembly amended Title 21.07.050 to require Anchorage utilities to spend 2% of a three-year rolling average of the utility's annual gross retail revenues derived from utility service connections within the Municipality to underground existing overhead lines with the intent to accelerate the pace of burying existing overhead lines. Today the majority of ML&P's distribution system is underground. Pursuant to the Municipal Ordinance, ML&P annually develops a five-year plan which is submitted to the Municipal Planning Department for review and comment. The Plan identifies the location of lines anticipated to be buried in the coming five years. Some overhead distribution lines may never be buried due to conditions such as safety, soil conditions, and/or steep terrain. Electric lines of 69,000 volts and higher, considered Transmission, and are not required to be buried due to excessive cost and technical reasons at this point in industry development. Also, any other utility that attaches to ML&P poles is supposed to place its lines underground at the same time as per the Title 21 Ordinance.

## II. PROJECT SELECTION

ML&P has set up a Title 21.07.050 Review Committee to identify potential projects to be included in its Five Year Plan. Decisions concerning which lines shall be buried and when depend on numerous factors. An evaluation review sheet is used that assesses potential projects and facilitates project priority decisions for the Committee. Some factors considered in project evaluations are:

- If there is an electrical system betterment derived that improves system condition or is required to meet forecasted load growth
- Where there are National Electrical Safety Code, NESC, issues can be improved by removing overhead lines
- Age of the facilities in the proposed project area
- View shed areas or areas with a high degree of public visibility
- Demonstrated neighborhood desire and support for a project
- Where other undergrounding project opportunities arise in conjunction with road or sewer/water projects or projects of other "wire" utilities
- Where undergrounding would eliminate an unusually heavy concentration of overhead electric lines.
- Where the street or general area is extensively used by the general public and carries a heavy volume of pedestrian or vehicular traffic

## III. PROJECT LISTING

The following spreadsheet lists the projects ML&P has identified for undergrounding within the next 5 years. Projects that were started but not completed last year will be completed during the following summer. Summary sheets are included for each project that identifies the general area where conversion from overhead to underground facilities is expected. As much as ML&P would like this five-year plan to be static, there are circumstances where other necessary but unforeseen projects may preempt and change the anticipated timing of any project listed in any Five Year Plan.

#### IV. FUTURE PROJECT CONSIDERATIONS

ML&P receives requests for undergrounding from diversified sources. The requests that did not make the current five year plan will remain on ML&P's list of potential undergrounding project for re-evaluation each year. These projects are listed below in alphabetical order.

##### DESCRIPTION

7<sup>th</sup> & O Street  
 9<sup>th</sup> & P Street  
 9<sup>th</sup>/10<sup>th</sup> Alley: Cordova to Karluk  
 11<sup>th</sup> & C Street  
 11<sup>th</sup> Alley – A Street to Cordova  
 11<sup>th</sup>/13<sup>th</sup>: Cordova to Gambell  
 12<sup>th</sup> Ave: U Street to P Street  
 13<sup>th</sup> & P Street  
 14<sup>th</sup> & N Street  
 15<sup>th</sup> & LaTouche  
 16<sup>th</sup> & K Street  
 20<sup>th</sup> & Norene Street  
 40<sup>th</sup> & Wright St  
 42<sup>nd</sup> & Brantley  
 Airport Heights School – 16<sup>th</sup> & Alder  
 Alder Drive & 17<sup>th</sup> Ave  
 Aleutian/Logan Street from 17<sup>th</sup> to 20<sup>th</sup>  
 Arctic Blvd. to Aurora St. -19<sup>th</sup> to 22<sup>nd</sup>  
 B Street – 40<sup>th</sup> to Tudor  
 Barrow – 26<sup>th</sup> Avenue  
 Carlson Park - Stanford & Cornell Drive  
 College Gate Elementary - 30<sup>th</sup> & Boniface  
 Columbine Street - 16<sup>th</sup> to Debarr  
 Cornell Court – Emory St.  
 Cottonwood & Glennwood  
 Culver Place – 22<sup>nd</sup> to 24<sup>th</sup>  
 Eide St. & 33<sup>rd</sup> Ave  
 Esquire/Forest Park Alley

##### DESCRIPTION

Fairbanks & Gambell alley, near Fireweed  
 Frontierland Park - 10<sup>th</sup> & E Street  
 Gambell Street – 3<sup>rd</sup> to 16<sup>th</sup> Ave  
 Garden Street - 15<sup>th</sup> & Sunrise Dr.  
 Glacier Street & 22<sup>nd</sup> Avenue  
 Hillcrest Drive, east of Spenard  
 Hollywood & Elm Street  
 Hyder & 14<sup>th</sup> Avenue  
 Inlet View Elementary – 12<sup>th</sup> & Inlet  
 Kanchee Park - 3<sup>rd</sup> & Klevin  
 Karluk Street – 4<sup>th</sup> to 10<sup>th</sup>  
 Lawarance Court  
 Lynn Drive & 40<sup>th</sup>  
 Maplewood & 26<sup>th</sup>  
 Maplewood/24<sup>th</sup> Trailhead  
 Mt. View Lions Park  
 Needle Circle  
 North Star Street & 23<sup>rd</sup> Ave  
 Park Street & 3<sup>rd</sup> Avenue  
 Parkdale West Condos - 19<sup>th</sup> & Arctic  
 Rogers Park Elementary–N.L. & LaTouche  
 Salem Drive near MacInnes Street  
 Seaforth Place to MacInnes Street  
 Talkeetna & 17<sup>th</sup>  
 Thompson Ave- Bragaw St. to Pine St  
 Tudor & 42<sup>nd</sup> Alley  
 Valley of the Moon Park – 17<sup>th</sup> & Arctic  
 Winterset Drive near 36<sup>th</sup>  
 Wonder Park School – 4<sup>th</sup> & Boniface