



**ML&P 5-YEAR PLAN
2019-2023**

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

2019 - 006D

PLEASE RETURN COMMENTS TO:

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

CASE NO: 2019-0060

PLANNER: Francis McLaughlin.

REQUEST: Administrative Review in accordance with AMC 21.07.050 of Municipal Light & Power 5-Year Undergrounding Plan (2019-2023). ****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: Thursday, April 25, 2019

Agency Comments Due: Thursday, April 11, 2019

Council Comments Due: Monday, April 15, 2019

COMMUNITY COUNCIL(S):

Community Councils Center

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

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. For more information, including answers to frequently asked questions, please visit the ML&P Underground webpage at <https://www.mlandp.com/News/Projects-Construction/Undergrounding>

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

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

DESCRIPTION

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

TITLE 21 PROJECT

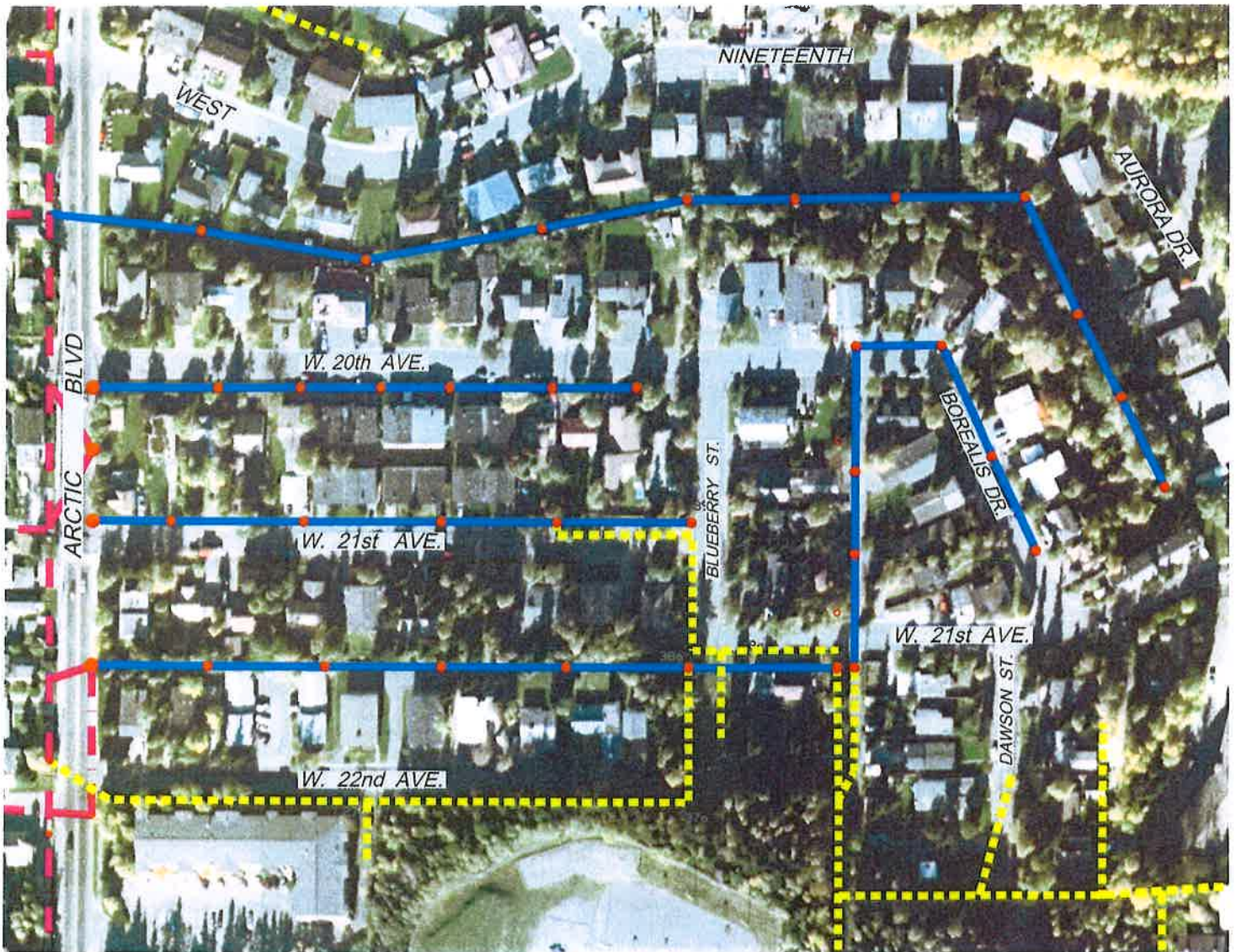
Arctic to Aurora

North Star Community Council: Thompson Subdivision



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.



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

MLP ENGINEERING
MOA TITLE 21.07.050 - NON-CONFORMING OVERHEAD LINES REMOVAL
5-YEAR PLAN 2019 TO 2023

2018		2019		2020		2021		2022		2023	
Title 21 Requirement (1000) = \$2,970.4		Title 21 Requirement (1000) = \$3,000.0		Title 21 Requirement (1000) = \$3,100.0		Title 21 Requirement (1000) = \$3,200.0		Title 21 Requirement (1000) = \$3,300.0		Title 21 Requirement (1000) = \$3,400.0	
Debit or (Credit) from 2017	Debit	Debit or (Credit) from 2018	Debit	Debit or (Credit) from 2019	Debit	Debit or (Credit) from 2020	Debit	Debit or (Credit) from 2021	Debit	Debit or (Credit) from 2022	Debit or (Credit) from 2023
Funding Available to Spend		Funding Available to Spend		Funding Available to Spend		Funding Available to Spend		Funding Available to Spend		Funding Available to Spend	
Proposed Projects	W.O.	Proposed Projects	W.O.	Proposed Projects	W.O.	Proposed Projects	W.O.	Proposed Projects	W.O.	Proposed Projects	W.O.
Misc. Annual Constr.		Misc. Annual Constr.		Misc. Annual Constr.		Misc. Annual Constr.		Misc. Annual Constr.		Misc. Annual Constr.	
Mt. View Lions Park - D	20572	Mt. View Lions Park - D	20572	Mt. View Lions Park - C	20572	Mt. View Lions Park - C	20572	9th & P Street - D		9th & P Street - D	
1/4 Alley - Eagle to Ingra	11717	Arctic to Aurora - D		Arctic to Aurora - D		Arctic to Aurora - C		Glacier St. & 24th Ave - D		Glacier St. & 24th Ave - D	
D & C	20379	Arctic & 27th - D	20085	Arctic & 27th - C	20085	*Gambell 3rd to 15th - D		*Gambell 3rd to 15th - C		*Gambell 3rd to 15th - C	
Arctic & 27th - D	20085	Arctic Benson Park - D	20120	Arctic Benson Park - C	20120	Arctic Benson Park - D	20120	Logan Street - D		Logan Street - D	
Arctic Benson Park - D	20120	Arctic Benson Park - D	20120	Arctic Benson Park - C	20120	Arctic Benson Park - C	20120	Logan Street - D		Logan Street - C	
Inlet Place - C	11515	Inlet Place - C	20610	Benson: Denali to Seward Hwy - C		Benson: Denali to Seward Hwy - C		Glacier St. & 22nd Ave - D		Glacier St. & 22nd Ave - D	
Arctic & 27th - D	20085	Benson: Denali to Seward Hwy - D		Benson: Denali to Seward Hwy - C		Benson: Denali to Seward Hwy - C		*Gambell 3rd to 15th - C		*Gambell 3rd to 15th - C	
CBD 4th Cleanup 199	11574	CBD 4th Cleanup 3rd Ave. Barrow to Ingra	11574	CBD Cleanup 7th Alley - E.A.S. Street		CBD Cleanup 4th Alley - Gambell to Seward		CBD Cleanup 7th Alley - Gambell to Ingra		CBD Cleanup 7th Alley - Gambell to Ingra	
Arctic & 27th - D	20085	CBD 4th Cleanup 3rd Ave. Barrow to Ingra	11574	CBD Cleanup 7th Alley - E.A.S. Street		CBD Cleanup 4th Alley - Gambell to Seward		CBD Cleanup 7th Alley - Gambell to Ingra		CBD Cleanup 7th Alley - Gambell to Ingra	
Project Sub-Total	\$2,770.8	Project Sub-Total	\$3,390.0	Project Sub-Total	\$3,260.0	Project Sub-Total	\$3,800.0	Project Sub-Total	\$4,450.0	Project Sub-Total	\$3,150.0
Remaining T-21 Funds	\$1,636.0	Remaining T-21 Funds	\$1,246.0	Remaining T-21 Funds	\$986.0	Remaining T-21 Funds	\$286.0	Remaining T-21 Funds	-\$964.0	Remaining T-21 Funds	-\$814.0

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 2018 are actual as of 12/31/2018 Project Cost Reporting, all other chart amounts are estimated.
3. End of year construction for 2018 is expected to be greater than YTD. Actual money spent in 2018 will be reconciled in the first quarter of 2019.
4. Misc. Annual Constr. = Blanket Workorders (ex: overhead service retirements and a percentage of new services)
5. C = Outside Construction Expense D = Design Expense & Procurement

*Gambell Street: 3rd to 15th Avenue project is dependent on an Alaska DOT initiated project. ML&P will not do this project without Alaska DOT participation.

Proposed expenditures: \$16,414.0
Five-year requirement: \$15,600.0
Debit or (Credit) carry over for year 2024 and on: (\$814.0)