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GOLDEN VALLEY ELECTRIC ASSOCIATION INC. Box 1249, Fairbanks, Alaska 99707, Phone 907-452-1151

January 28, 1985

The Honorable John B. Coghill  
Alaska Legislature  
State Capital  
Pouch V  
Juneau, Alaska 99811

Re: Senate Bill #46

Dear Jack:

Golden Valley would like to take this opportunity to state its support of SB #46, which will provide for the installation of commercial power to serve the Two Mile Lake Agricultural Development.

The estimated cost to construct this project was supplied by the Golden Valley Electric Association's Engineering Department, and computed to be \$913,000.00. The estimate includes all labor, materials and Engineering, to construct primary 3Ø power to the boundaries of all the Two Mile Lake Agricultural Tracts except for two tracts (7011 and 7020) which are not interconnected to the powerline route with existing platted easements. In addition to serving the Two Mile Lake Agricultural Development, the powerline will provide service to portions of Berg Subdivision which is a residential state subdivision.

The estimated cost includes upgrading approximately one mile of existing single phase GVEA distribution lines to new three phase distribution and approximately nine miles of new 3Ø distribution line. Permits are expected to be acquired from the Department of Transportation and Public Facilities (DOTPF) for portions along the Parks Highway and from the Department of Natural Resources (DNR) for portions on state land or within the Agricultural Development area.

The most effective method of financing this project would be to provide a direct appropriation to the Alaska Power Authority.

- BACK UP -

GOLDEN VALLEY ELECTRIC ASSOCIATION INC.

Senate Bill #46  
January 28, 1985  
Page 2

COST BREAKDOWN

Single Phase to Three Phase Upgrade (1.16 Miles)

Construction Labor \$79,146.13/Mi.

Material and Handling 18,126.98/Mi.

Engineering Services 9,110.87/Mi.

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\$106,383.98/Mi. X 1.16 Miles = \$123,405.42

New Three Phase

Construction Labor \$64,521.64/Mi.

Material and Handling 18,126.98/Mi.

Engineering Services 6,937.96/Mi.

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\$89,586.58/Mi. X 8.81 Mile = \$789,257.77

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Cost Estimate to Construct 9.97 Miles  
of Three Phase Distribution Lines \$912,663.19

If you have any questions or need clarification of the cost estimate or proposed routing feel free to call me at 452-1151.

Sincerely,



Michael P. Kelly  
General Manager

MK:rd

xc: GVEA ROW  
GVEA Staff  
Larry Crawford, APA  
Steven Bainbridge, City of Nenana

FROM: GVEA ENGINEERING

DATE 28-JAN-85

TO : MEMBER SERVICE

COST ESTIMATE FOR ONE typical mile of 14.4/24.9 kV Single Phase to Three Phase  
Conversion for the Two Mile Ag. Project north of Nenana

RETIREMENT LABOR	290.4 MH @ \$ 65.00/MH	\$ 18876.00
CONSTRUCTION LABOR	927.2 MH @ \$ 65.00/MH	\$ 60270.05
MATERIALS AND HANDLING	AT 15.0%	\$ 15126.98
ENGINEERING SERVICES	132.2 MH @ \$ 50.00/MH	\$ 9110.87
SUBTOTAL		\$ 106383.98

LESS: SALVAGE ON RETIRED MATERIALS \$ .....

BETTERMENTS \$ .....

CONTINGENCIES \$ .....

TOTAL \$ .....

STRUCTURE	UNITS	CODE	STRUCTURE	UNITS	CODE
CONDUCTOR	23.0	A	45-4	16.0	A
50-4	2.0	A	55-4	1.0	A
VC1B	12.0	A	VC2	5.0	A
VCS	2.0	A	E1-3	5.0	A
TG-3	2.0	A	E3-10	9.0	A
F1-3S	9.0	A	M2-11	19.0	A
M5-1	3.0	A	CONDUCTOR	12.0	R
40-4	14.0	R	50-4	2.0	R
VA9-1	12.0	R	VA9	2.0	R
VAB	2.0	R	E1-3	5.0	R
TG-3	2.0	R	E3-10	9.0	R
F1-3S	9.0	R	M2-11	19.0	R
M5-1	1.0	R			

FROM: GVEA ENGINEERING

DATE 29-JAN-85

TO : MEMBER SERVICE

COST ESTIMATE FOR ONE typical mile of 14.4/24.9 kV Three Phase Powerline  
for the Two Mile Ag. Project north of Nenana.

CONSTRUCTION LABOR	992.6 MH @ \$ 65.00/MH	\$ 64521.64
MATERIALS AND HANDLING	AT 15.0%	\$ 19126.98
ENGINEERING SERVICES	138.8 MH @ \$ 50.00/MH	\$ 6937.96
SUBTOTAL		\$ 89586.58

LESS: SALVAGE ON RETIRED MATERIALS \$ .....

BETTERMENTS \$ .....

CONTINGENCIES \$ .....

TOTAL \$ .....

STRUCTURE	UNITS	CODE	STRUCTURE	UNITS	CODE
CONDUCTOR	23.0	A	45-A	12.0	A
50-4	2.0	A	55-4	1.0	A
VC1B	12.0	A	VC2	3.0	A
VCS	2.0	A	E1-3	5.0	A
TG-3	2.0	A	E3-10	9.0	A
F1-3S	9.0	A	M2-1J	19.0	A
M5-1	3.0	A			



Official Business

# Alaska State Legislature

## Senate

### Committee on Labor & Commerce

Pouch V  
State Capitol  
Juneau, Alaska 99811

#### Chairman's Information:

- 1) SB 46 "An Act making a special appropriation to the Department of Transportation and Public Facilities to extend the Golden Valley Electric Lines; and providing for an effective date."

- a) Introduced : Coghill
- b) Co-Sponsors:

- 2) INTENT: To provide for the installation of commercial power to serve the Two Mile Lake Agricultural Development. Project will provide primary power to the boundaries of the Two Mile Ag tracts and provide service to portions of the Berg Sub-division.

Cost includes upgrading approximately 1 mile of single phase GVEA distribution line to a 3 phase, and an additional 9 miles of new distribution line.

IMPORTANT: Bill does not contain the correct appropriation mechanism; Funding should go thru DCED/APA; Correction can be made thru either a committee CS or a Committee amendment.

Funding: \$913.0 special appropriation/ price estimate from GVEA engineering staff;

#### Fiscal Notes:

- 3) COMMITTEE COMMENTS:

- 4) PUBLIC HEARINGS:

- a) Sponsor
- b) Public witnesses:

- 5) BILL ACTION:

- a) Hold in committee?
- b) Assign to sub committee for further review?
- c) Move from Committee?
- d) close public hearings?

- 6) COMMITTEE ACTION:

- a) amendments?
- b) CS adoption?