

Agency: Commerce, Community and Economic Development**Grants to Municipalities (AS 37.05.315)****Grant Recipient: Hughes****Federal Tax ID: 92-0088114****Project Title:****Project Type: New Construction and Land Acquisition**

Hughes - Moose Loop Subdivision Electrical Distribution Lines Project

State Funding Requested: \$102,596**House District: 39 / T**

One-Time Need

Brief Project Description:

Construction of electrical distribution lines on Moose Loop Subdivision in Hughes, AK.

Funding Plan:

Total Project Cost:	\$107,996
Funding Already Secured:	(\$5,400)
FY2014 State Funding Request:	<u>(\$102,596)</u>
Project Deficit:	\$0

*Funding Details:**FY2011 Vehicle Purchase \$89,300: closed out.***Detailed Project Description and Justification:**

Hughes Moose Loop Subdivision Electrical Distribution Lines Project: the City of Hughes is in need of new construction for the Moose Loop Road subdivision electric lines; there is thirteen new home lots on this subdivision; the tribe has applied for construction funds for new homes and the water/sewer lines is accessible to hook up these new homes if they have electricity availability. All these proposed projects are connected and viable to each other. Attached is a electrical distribution lines design done by EBSC Engineering; Edward Hakala. Attached is City of Hughes resolution no 2013-01 in support of this project. Also attached is the budget and line item breakdown from Alaska Energy Authority: Curtis Hanson/Engineer. City of Hughes will provide cash match in the amount of \$5,400.00

Project Timeline:

July 2013 Grant agreement signed.
 August 2013 order materials and line up AK Energy Authority to come in.
 September 2013 construction of the electrical distribution lines.
 October 2013 Inspection by AK Energy Authority.
 November 2013 electrical distribution lines in operation.
 December 2013 close out the grant.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

City of Hughes/ Hughes Power & Light Company

Grant Recipient Contact Information:

Name:	Thelma Nicholia
Title:	City Administrator
Address:	110 Front Street Hughes, Alaska 99745
Phone Number:	(907)889-2206
Email:	thelma.nicholia@tananachiefs.org

Has this project been through a public review process at the local level and is it a community priority? Yes No

**C Schedule
Hardware**

12/8/2011

Hughes Subdivision

Item	REA Des.	Description	Est. Quan.	Unit of Meas.	Unit Price	Extended Price
70	ek	Locknut 7/8" MF Type		ea.		
71	ek	Locknuts, 3/8" - Joslyn 8581 or Equal		ea.		
72	ek	Locknuts, 1/2"		ea.		
73	ek	Locknuts, 5/8" - Joslyn 8583 or Equal	50	ea.	.50	25.00
74	aa	Nut, Eye 5/8" - Joslyn J1091 or Equal	5	ea.	3.50	17.50
75	ab	Nut, Thimbleye 5/8" - Joslyn J6515 or Equal		ea.		
76	f	Pin, Crossarm-W/Washer, Nut & Locknut-1"Thd - Joslyn J203 or Equal		ea.		
77	b	Pin, Pole Top, Steel, 20"-REA Sps.-d-3 Joslyn D-2172 or Equal	6	ea.	9.50	57.00
78	dl	Pipe Spacer, 3/4"x 1 1/2" - Chance 22378 or Equal		ea.		
79	dh	Plate, Grounding - Homa5575		ea.		
80		Platform, Transformer, - Aluma-Form HD2PAL-14 or Equal		ea.		
81	bv	Rod, Armor, Double, for #2 ACSR - Preformed AR-0314		ea.		
82	bv	Rod, Armor, Single, for #2 ACSR - Preformed AR-0114	12	ea.	5.00	60.00
83	ai	Clamp, Ground Rod, 5/8"	2		2.00	4.00
84	j	Rods, Ground 5/8"x 8' Copper Clad Steel - Joslyn J8338-13 or Equal	2	ea.	14.00	28.00
85	bo	Screw, Lag, 1/2"x 4 1/2" - Joslyn J8754-1/2 or Equal	14	ea.	1.50	21.00
86	es	Shackle, Anchor - Joslyn J2742 or Equal		ea.		
87	es	Splice Cover, Plastic - Blackburn Type C-5 or Equal	14	ea.	.46	6.44
88	bx	Splice Cover, Plastic - Blackburn Type C-7 or Equal	4	ea.	.60	2.40
89	bx	Splice, Automatic for #1/0 ACSR - Fargo GL-400 Series or Equal	2	ea.		
90	al	Splice, Automatic for #2 ACSR - Fargo GL-400 Series or Equal		ea.		
91	ae	Staple, Ground Wire - ANSI C135.14, 1 1/2"x 3/8" Copper Coated or Equal	5	lb.	10.00	50.00
92	ah	Surge Arrester, Distribution 10Kv Rating - Joslyn J9231-JS or Equal	2	ea.	39.50	79.00
93	ah	Tie, Insulator, Formed - Preformed DBST-01107 or Equal		pr.		

Total: 350.³⁴

C Schedule Hardware

12/8/2011

Hughes Subdivision

Item	REA Des.	Description	Est. Quan.	Unit of Meas.	Unit Price	Extended Price
94	ah	Tie, Insulator, Formed - Preformed DST-0157 or Equal		pr.		
95	ah	Tie, Insulator, Formed - Preformed WTC -0119 or Equal	6	ea.	10. ⁰⁰	60. ⁰⁰
95	d	Tie, Spool Insulator, Formed - Preformed SPL-1359P or Equal	6	ea.	4. ⁰⁰	24. ⁰⁰
96		Washer, Curved, 4"x4" With 15/16" Hole		ea.		
97	aw	Washer, Round, 1 3/8" Dia. W/ 9/16" Hole		ea.		
98	aw	Washer, Spring, 7/8"		ea.		
99	aw	Washer, Spring, 5/8"		ea.		
100	d	Washer, Square, Galvanized 2 1/4"x2 1/4"x3/16" Thk. W/11/16" - Joslyn J1076 or Equal	70	ea.	1. ⁰⁰	70. ⁰⁰
100	d	Washer, Square-Curved, Galvanized 3"x3"x1/4" Thk. W/11/16" - Joslyn J113 or Equal	8	ea.	1. ⁵⁰	12. ⁰⁰
101	ds	Wire Holder, Mast servicer for 2" IMC Joslyn # JO588	15	ea.	8. ⁵⁰	127. ⁵⁰
		Wire Holder, Mast servicer for Triplex OH. McGraw Edison DC12M1		ea.		
		LED Roadway Lights (OR)	4	ea	750. ⁰⁰	3000. ⁰⁰
	X	GE Roadway Lights	4	ea	320. ⁰⁰	1280. ⁰⁰
		Light Arms RBSCWH25X26V	4	ea	200. ⁰⁰	800. ⁰⁰

Total w/LED Lights \$4093.⁵⁰
 Total w/GE Lights \$2373.⁵⁰

The GE Roadway Lights will need:
 4 ea - Lamp HPS E-39 100 watt ea 27.⁰⁰ 108.⁰⁰
 4 ea - PH-CTRL ALR-7090-VPS 120/208v ea 5.⁰⁰ 20.⁰⁰
 13 ea - Itron G980616 Centron FM2S 240V 3W 33.⁵⁰ 435.⁵⁰
563.⁵⁰

**D Schedule
Transformers**

12/8/2011

Hughes Subdivision

Item	REA Des.	Description	Est. Quan.	Unit of Meas.	Unit Price	Expended Price
1	an	Transformer, REA Spec. D-10, 10KVA, Pole Mount, With Taps, 7200/12470 Grd. Wye to 120/240V				
2	an	Transformer, REA Spec. D-10, 15 KVA, Pole Mount, With Taps, 7200/12470 Grounded Wye to 120/240 V.	2	ea.	950 ⁰⁰	1900 ⁰⁰
3	an	Transformer, REA Spec. D-10, 25 KVA, Pole Mount, With Taps, 7200/12470 Grd. Wye to 120/240V.		ea.		
4	an	Transformer, REA Spec D-10, 10 KVA, No Taps		ea.		
5	an	Transformer, REA Spec D-10, 15 KVA, No Taps		ea.		
6		Single Phase Primary Junction Box, Power Design Inc. CJP-11 or equal		ea.		
7		Fiberglass, Transformer Box Pad for Following Transformer		ea.		
8		Transformer , Pad Mount, 15 KVA, Single Phase, Loop Feed, 7200/12470 Grd. Wye to 120/240V, With taps		ea.		
9	an	Transformer, REA Spec D-10, 25 KVA, No Taps		ea.		
10	an	Transformer Pad Mount, 75KVA, 3 phase, 7200/12470 grd. Wye to 277/480V. Grounded wye, Radial feed, With Taps		ea.		
	an	Transformer, Pole Type, REA Spec D-10 75KVA 7200-277/480 V., Two HV Bushing 2-2 1/2% HV Taps Above & 2-2 1/2% Below Rated		ea.		
				ea.		

_____ \$1900⁰⁰

Total Schedule D \$

