

1    Q.    **Reference: Upgrade Distribution Systems, Volume I, Section C, Page C-36** Provide  
2           the basis (unit cost, historical cost, detailed engineering estimates, etc.) of the 2016  
3           and 2017 budget estimates for this project.

4

5

6    A.    The estimates included in the Upgrade Distribution Systems project are completed  
7           using known material costs (supplied by Hydro), vendor-supplied material quotes (if  
8           not known), historical contract labour costs, and known internal labour costs. The  
9           methods of estimation mentioned above were used in the creation of the attached  
10          estimates.



## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** Farewell Head Pole Replacements **Date Prepared:** 2015, May 06  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Central  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** Fogo Island **Asset Retirement or Transfer?** No

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble

**Base Date:** 2015 Jan 1

**2 Year Cash Sheet Should be Used**

Project Cost: (\$ x1,000)	<u>2016</u>	<u>2017</u>	<u>BEYOND</u>	<u>TOTAL</u>
Material Supply	10.0	190.0	0.0	200.0
Labour	20.0	140.0	0.0	160.0
Consultant	0.0	0.0	0.0	0.0
Contract Work	0.0	320.0	0.0	320.0
Other Direct Costs	0.0	0.0	0.0	0.0
Interest and Escalation	1.9	70.4	0.0	72.3
Contingency	0.0	136.0	0.0	136.0
<b>TOTAL</b>	<b>31.9</b>	<b>856.4</b>	<b>0.0</b>	<b>888.3</b>

## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President:



## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** Paradise River Pole Replacements **Date Prepared** 2015, April 30  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Labrador  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** Paradise River **Asset Retirement or Transfer?** Yes

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble  
**Base Date:** 2015 Jan 1

2 Year Cash Sheet Should be Used

Project Cost: (\$ x1,000)	<u>2016</u>	<u>2017</u>	<u>BEYOND</u>	<u>TOTAL</u>
Material Supply	10.0	130.0	0.0	140.0
Labour	20.0	140.0	0.0	160.0
Consultant	0.0	0.0	0.0	0.0
Contract Work	0.0	200.0	0.0	200.0
Other Direct Costs	0.0	0.0	0.0	0.0
Interest and Escalation	2.1	51.1	0.0	53.2
Contingency	0.0	100.0	0.0	100.0
<b>TOTAL</b>	<b>32.1</b>	<b>621.1</b>	<b>0.0</b>	<b>653.2</b>

## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President:



## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** Happy Valley - Upgrade Distribution System (L16) **Date Prepared** 2015, May 07  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Labrador  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** Happy Valley **Asset Retirement or Transfer?** Yes

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble

**Base Date:** 2015 Jan 1

**2 Year Cash Sheet Should be Used**

Project Cost: (\$ x1,000)	<u>2016</u>	<u>2017</u>	<u>BEYOND</u>	<u>TOTAL</u>
Material Supply	10.0	160.0	0.0	170.0
Labour	20.0	110.0	0.0	130.0
Consultant	0.0	0.0	0.0	0.0
Contract Work	0.0	290.0	0.0	290.0
Other Direct Costs	0.0	0.0	0.0	0.0
Interest and Escalation	2.0	60.8	0.0	62.8
Contingency	0.0	118.0	0.0	118.0
<b>TOTAL</b>	<b>32.0</b>	<b>738.8</b>	<b>0.0</b>	<b>770.8</b>

## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President:



## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** King's Point Pole Replacement **Date Prepared** 2015, April 30  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Central  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** King's Point **Asset Retirement or Transfer?** Yes

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble

**Base Date:** 2015 Jan 1

**2 Year Cash Sheet Should be Used**

Project Cost: (\$ x1,000)	2016	2017	BEYOND	TOTAL
Material Supply	10.0	120.0	0.0	130.0
Labour	20.0	140.0	0.0	160.0
Consultant	0.0	0.0	0.0	0.0
Contract Work	0.0	300.0	0.0	300.0
Other Direct Costs	0.0	0.0	0.0	0.0
Interest and Escalation	2.0	59.9	0.0	61.9
Contingency	0.0	118.0	0.0	118.0
<b>TOTAL</b>	<b>32.0</b>	<b>737.9</b>	<b>0.0</b>	<b>769.9</b>

## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President:



## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** Sally's Cove - Upgrade Distribution System **Date Prepared** 2015, May 07  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Northern  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** Sally's Cove **Asset Retirement or Transfer?** Yes

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble

**Base Date:** 2015 Jan 1

**2 Year Cash Sheet Should be Used**

Project Cost: (\$ x1,000)	<u>2016</u>	<u>2017</u>	<u>BEYOND</u>	<u>TOTAL</u>
Material Supply	5.0	20.0	0.0	25.0
Labour	10.0	70.0	0.0	80.0
Consultant	0.0	0.0	0.0	0.0
Contract Work	0.0	60.0	0.0	60.0
Other Direct Costs	0.0	0.0	0.0	0.0
Interest and Escalation	0.4	16.9	0.0	17.3
Contingency	0.0	33.0	0.0	33.0
<b>TOTAL</b>	<b>15.4</b>	<b>199.9</b>	<b>0.0</b>	<b>215.3</b>

## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President:



## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** L'anse-au-Loup Distribution Upgrade **Date Prepared:** 2015, May 06  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Northern  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** L'anse-au-Loup **Asset Retirement or Transfer?** Yes

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble

**Base Date:** 2015 Jan 1

**2 Year Cash Sheet Should be Used**

Project Cost:	( <i>\$ x1,000</i> )	<u>2016</u>	<u>2017</u>	<u>BEYOND</u>	<u>TOTAL</u>
Material Supply		20.0	520.0	0.0	540.0
Labour		50.0	180.0	0.0	230.0
Consultant		0.0	0.0	0.0	0.0
Contract Work		0.0	560.0	0.0	560.0
Other Direct Costs		0.0	0.0	0.0	0.0
Interest and Escalation		4.2	140.0	0.0	144.2
Contingency		0.0	266.0	0.0	266.0

<b>TOTAL</b>		<b>74.2</b>	<b>1,666.0</b>	<b>0.0</b>	<b>1,740.2</b>
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## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President:



## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** Replace Recloser CA1-R2 and Associated Hardware **Date Prepared** 2015, May 01  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Central  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** Cat Arm **Asset Retirement or Transfer?** Yes

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble  
**Base Date:** 2015 Jan 1

**2 Year Cash Sheet Should be Used**

Project Cost: (\$ x1,000)	<u>2016</u>	<u>2017</u>	<u>BEYOND</u>	<u>TOTAL</u>
Material Supply	10.0	70.0	0.0	80.0
Labour	10.0	90.0	0.0	100.0
Consultant	0.0	0.0	0.0	0.0
Contract Work	0.0	100.0	0.0	100.0
Other Direct Costs	0.0	0.0	0.0	0.0
Interest and Escalation	0.6	29.0	0.0	29.6
Contingency	0.0	56.0	0.0	56.0
<b>TOTAL</b>	<b>20.6</b>	<b>345.0</b>	<b>0.0</b>	<b>365.6</b>

## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President:





## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** Replace Recloser GB1-R1 **Date Prepared** 2015, May 01  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Central  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** Grandy Brook Terminal Station **Asset Retirement or Transfer?** Yes

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble

**Base Date:** 2015 Jan 1

**2 Year Cash Sheet Should be Used**

Project Cost: (\$ x1,000)	<u>2016</u>	<u>2017</u>	<u>BEYOND</u>	<u>TOTAL</u>
Material Supply	5.0	60.0	0.0	65.0
Labour	10.0	70.0	0.0	80.0
Consultant	0.0	0.0	0.0	0.0
Contract Work	0.0	80.0	0.0	80.0
Other Direct Costs	0.0	0.0	0.0	0.0
Interest and Escalation	0.4	23.4	0.0	23.8
Contingency	0.0	45.0	0.0	45.0
<b>TOTAL</b>	<b>15.4</b>	<b>278.4</b>	<b>0.0</b>	<b>293.8</b>

## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President:



## PROJECT PROPOSAL SUMMARY

Capital Project

Bus. Unit

**Project Title:** Bay d'Espoir Underground Upgrade **Date Prepared:** 2015, May 01  
**Company:** HYDRO **Project Type:** Default  
**Start Year:** 2016 or Later **Category:** Transmission and Rural Operations - Distribution Central  
**Start Date:** 2016 Jan 1 **Definition:** Other **Classification:** Normal  
**Completion Date:** 2017 Dec **Location:** Milltown **Asset Retirement or Transfer?** Yes

**Type of Work:** Distribution Line Construction **Prepared By:** J. Noble

**Base Date:** 2015 Jan 1

**2 Year Cash Sheet Should be Used**

Project Cost: (\$ x1,000)	2016	2017	BEYOND	TOTAL
Material Supply	10.0	130.0	0.0	140.0
Labour	20.0	120.0	0.0	140.0
Consultant	0.0	0.0	0.0	0.0
Contract Work	0.0	440.0	0.0	440.0
Other Direct Costs	0.0	0.0	0.0	0.0
Interest and Escalation	2.0	72.8	0.0	74.8
Contingency	0.0	144.0	0.0	144.0
<b>TOTAL</b>	<b>32.0</b>	<b>906.8</b>	<b>0.0</b>	<b>938.8</b>

## Description:

## Operating Experience:

## Justification:

## Future Plans:

"Initiating Bus.Unit" Mgr:	Project Estimator:	"Managing Dept." Mgr:	"Initiating Dept" Manager:	Vice-President: