









FORTISBC	Project Need			
Legacy Conductor:	Type, Qı	antity and	Age profile	
Conductor type	Circuit Length	Conductor Length	Age Profile	
	((km)		
No. 90 MCM	77	216	> 65 years	
No. 8	109	167	> 50 years	
No. 6	318	581	≥ 50 years	
Subtotal	504	964		
85 percent of Subtotal	428	819		
		·	6	

ORTISBC				Project Need		
ailu	ires in Se	nsitive	Areas			
	Location	Conductor Type	Date	Remarks		
1	Osoyoos	6C	29/10/2004	Commercial area		
2	OK Falls	6C	25/01/2005	Residential area		
3	Kelowna	4C	01/07/2005	Residential area		
4	OK Falls	6C	25//01/2006	School zone and Public Park		
5	Keremeos	4C	17/05/2006	School zone and High Density Commercial		
6	Castlegar	8C	02/09/2006	Residential area		
7	Fruitvale	8C	06/09/2006	Residential area		
8	Castlegar	90C	04/07/2007	School zone		
9	Creston	8C	24/08/2007	Public Park and High Density Residential		
10	Castlegar	8C	04/03/2008	Residential area		
11	Kelowna	3C	19/04/2008	Residential area		
12	Castlegar	30	22/04/2008	Residential area		

FORTISBC

Project Need

Extent of Legacy Conductor in Sensitive Areas

Sensitive Public Domain Type in FortisBC Inc. Service	No. 90 MCM Copper	No. 8 Copper	No. 6 Copper	Total	
	Nu	Number of Locations			
School Zone	3	5	16	24	
Public Parks	2	12	16	30	
High Density Residential Zone	3	25	81	109	
High Density Commercial Zone	0	4	20	24	
TOTAL	8	46	133	187	
				8	













FORTISBC	Project Descripti	on
Year One (2009) • All legacy cop School Zones • No. 8 copper c will be elimina	per conductors in the vicinity o will be eliminated conductors in the vicinity of Par ted	f ks
	Year One (2009)	
Locations Ret	ouilt 36	
Circuit Kilome	etres 22	
Poles Replace	ed 200	
		15

FORTISBC	Project Description	n			
Year Two (2010) • All remaining No the vicinity of Pa • No. 8 copper in the	 Year Two (2010) All remaining No 6 and 90 MCM copper conductors in the vicinity of Parks will be eliminated 				
Residential areas	Residential areas will be eliminated				
	Year Two (2010)				
Locations Rebuilt	41				
Circuit Kilometres	Circuit Kilometres 29				
Poles Replaced	260				
		- 16			

FORTISBC	Project Descript	ion		
 Two Year Summary (2009 All legacy copper celliminated All No. 8 copper condensity Residential All No. 6 and 90 MC be eliminated 	9-2010) onductors in the vicinity of School Zone nductors in the vicinity of Parks and Hig I will be eliminated CM copper conductors in the vicinity of F	es will be gh Parks will		
	Two Year Summary			
Locations Reb	ouilt 51			
Circuit Kilome	Circuit Kilometres 77			
Poles Replace	Poles Replaced 460			
Expenditures	\$11.7 million			
		17		

ORTISBC	Project D	Description	
Year Three (2011)			
 All remaining the vicinity of Density Comn 	No. 6 and 90 MCM co High Density Reside nercial areas will be	opper conductor ential and High eliminated	rs in
 All remaining the vicinity of Density Comm 	No. 6 and 90 MCM co High Density Reside nercial areas will be Year Three (2011)	opper conductor ential and High eliminated Three Year Summary	rs ir
All remaining the vicinity of Density Comn Locations Rebuilt	No. 6 and 90 MCM co High Density Reside nercial areas will be Year Three (2011) 110	opper conductor ential and High eliminated Three Year Summary 187	rs ir
All remaining the vicinity of Density Comm Locations Rebuilt Circuit Kilometres	No. 6 and 90 MCM co High Density Reside nercial areas will be Year Three (2011) 110 66	opper conductor ential and High eliminated Three Year Summary 187 117	rs ir









F@RT	TISBC	Proj	ect Impac	t		
Reliabili	Reliability Impact due to Pre-Arranged Outages					
	Year	SAIDI	SAIFI			
		(Hours)	(Outages)			
	2009	0.11	0.03			
	2011	0.34	0.07			
	Future Years	0.19	0.04			
	2008 Target	2.51	3.08			
	2009-2011	4.5% - 13.5%	0.8% - 2.4%			
				23		











FORTISBC	Project Cost	
Ten Year Project		
Estimate based on Average C	ost Per Kilometre	
Planning Level estimate	\$103 Million	
NPV	\$59 Million	
Rate Impact	0.15%	
		29







FORTISBC	Project Sc	hedule
Ten Year Project		
CPCN Approval		4th Quarter 2008
First Public Consultation	prior to Project initiation	1st Quarter 2009
Project Initiation		1st Quarter 2009
Legacy Copper eliminatio	n in sensitive locations	4th Quarter 2011
Project Completion		4th Quarter 2018
		33
		33



