Q. (page 2-4, lines 10-13) Please provide in tabular form for each of the five years of the Conservation Plan the programs, program costs, the impact on peak and energy demand, and the expected benefits and the basis for calculation of the benefits. How will the savings be verified?

A. The costs and benefits of the programs identified in the Conservation Plan are provided in the pre-filed evidence in support of the Company's 2009 Conservation Cost Deferral Application, attached as Attachment A.[1] This evidence presents the estimated aggregate costs and benefits of the customer energy conservation program portfolio for both Newfoundland and Labrador Hydro and Newfoundland Power (the "Utilities") for 2009 through 2013, as well as Newfoundland Power's estimated costs for conservation in 2009.[2]

Tables 1 through 4 provide, for each of the five years of the Conservation Plan, the Utilities' estimated program costs, impact on energy demand, impact on peak demand, and expected benefits respectively.

Table 1
Customer Program Portfolio[3]
Program Cost Estimates: 2009-2013
by Sector
($000s)

	2009	2010	2011	2012	2013
Residential					
Insulation Program	884	827	966	862	912
Thermostat Program	425	378	459	397	441
ENERGY STAR Windows Program	668	566	666	646	730
Commercial					
Lighting Rebate Program	439	433	517	478	550
Total	**2,416**	**2,204**	**2,608**	**2,383**	**2,633**

[1] The 2009 Conservation Cost Deferral Application was filed on October 29, 2008.

[2] Newfoundland Power's evidence filed in support of the 2010 GRA reflects cost and sales impacts of the Company's portion of the Conservation Plan in 2010, with costs and benefits adjusted to reflect a mid-year 2009 program start.

[3] These programs are those outlined in the Conservation Plan for implementation in the near-term, 2009-2010. The last 3 years of the 2009 to 2013 planning horizon, 2011 to 2013, are currently expected to have materially expanded program offerings which are expected to increase program costs. See the *Conservation Plan*, p. 8-9.

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Table 2
Customer Program Portfolio
Energy Reduction Estimates: 2009-2013
by Sector
(MWh)

	2009	2010	2011	2012	2013
Residential					
Insulation Program	2,472	5,191	8,181	11,170	14,160
Thermostat Program	292	677	1,103	1,622	2,181
ENERGY STAR Windows Program	346	730	1,154	1,653	2,207
Commercial					
Lighting Rebate Program	722	1,720	2,988	4,518	6,333
Total	**3,832**	**8,318**	**13,426**	**18,963**	**24,881**

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3

Table 3
Customer Program Portfolio
Peak Reduction Estimates: 2009-2013
by Sector
(kW)

	2009	2010	2011	2012	2013
Residential					
Insulation Program	763	1602	2524	3446	4369
Thermostat Program	90	209	340	501	673
ENERGY STAR Windows Program	107	225	356	510	681
Commercial					
Lighting Rebate Program	266	639	1118	1699	2391
Total	**1,226**	**2,675**	**4,338**	**6,156**	**8,114**

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Table 4
Customer Program Portfolio
Program Benefit Estimates: 2009-2013[4]
by Sector
($000)

	2009	2010	2011	2012	2013
Residential					
Insulation Program	380	835	1271	1746	2317
Thermostat Program	45	109	171	254	357
ENERGY STAR Windows Program	53	117	179	258	361
Commercial					
Lighting Rebate Program	112	279	468	713	1048
Total	**590**	**1,340**	**2,089**	**2,971**	**4,083**

The estimation of program benefits is based on (i) engineering estimates of the energy and demand savings resulting from implementation of each energy efficient technology, and (ii) estimates of the impact that the reduction in energy and demand will have on the marginal costs of supply.[5]

Please refer to response to Request for Information CA-NP-182 (f) for information regarding how the savings will be verified.

[4] The benefits extend beyond the five year program based on the life of the technology used in the conservation program.

[5] Program benefits are estimated based on avoiding the marginal cost of providing service. The marginal costs used in estimation of benefits were based on results of the *Newfoundland Power Marginal Cost of Electricity of Electricity Study* dated January 29, 2007 adjusted to reflect more recent fuel cost forecasts.