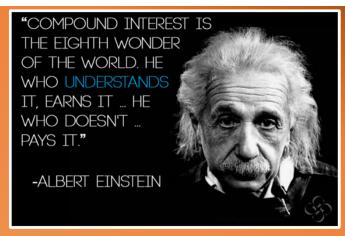
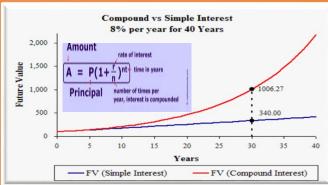
Carbon Tax and Investment Plan (CTIP) Uses the power of compound interest to fund the transition to

- Uses the power of compound interest to fund the transition to 100% Renewable
- The tax revenue pays for the solutions while creating jobs
- Compound interest is fueled by displacing fossil fuels
- Lowest cost policy option
- Does not need carbon price increase to remain effective
- Integrated solution
- Mostly supply side policy for a mostly supply side problem
- Sustainable Economic, Environment, and Social Policy
- Significant new source of revenue for provinces without fossil fuels
- Revenue replacement for provinces with fossil fuels
- Stabilizes energy rates at near current levels well into the future
- Thousands of jobs during multi decade construction boom
- Fuels economic growth during multi decade construction boom
- Flexibility for each province to choose their own energy mixes
- Guaranteed to work. All variables affect only "when" the objective is achieved not "if" the objective is achieved





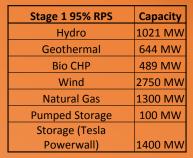
Sustainability

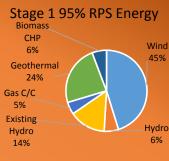


When Stage 2, 100% Renewable energy, is achieved:

- All of the generation technology will be owned by the public debt free
- Low Operations and Maintenance Cost (O&M)
- Essentially zero fuel cost
- Generating approximately \$2 Billion per year for New Brunswick







Economy Wide Carbon Tax \$15-\$30 /Ton



"The concept of reinvesting in

Reinvestment \$/MWh= PPA-O&M

UNBSJ Professor of Economics, Dr. Rob Moir.

environmentally-friendlier energy production

interest effect is founded economic theory. As

and energy efficiency to create a compound

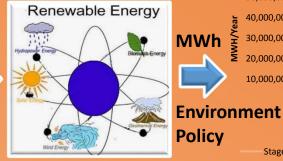
such this policy should be considered by all

provinces and not only New Brunswick."

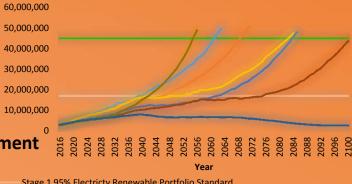








Integrated Resource Plan



\$70/MWh



Economic Policy

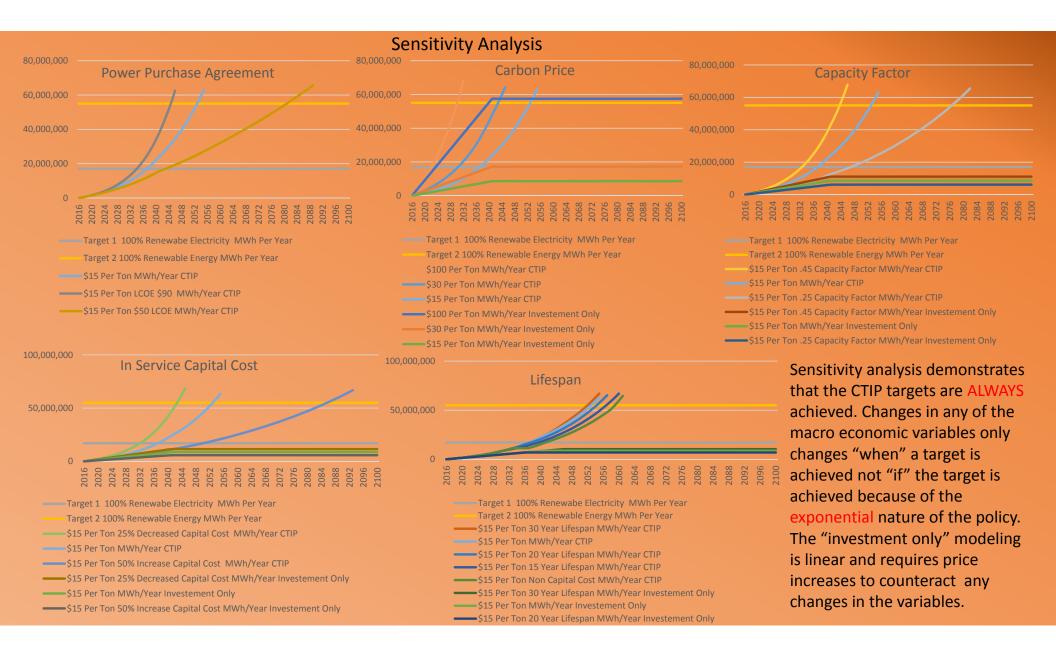
Power Purchase Agreements



- * Solar Power
- Wind Farms
- Hydro
- Geothermal

- Stage 1 95% Electricty Renewable Portfolio Standard
- Stage 2 100% Rewnewable Energy Renewable Portfolio Standard
- 2036 \$30 Per Ton Accumulated MWH Per Year Including Existing Hydro
- 2045 \$20 Per Ton Accumulated MWH Per Year Inc Existing Hydro
- 2055 \$15 Per Ton Accumulated MWH Per Year Inc Existing Hydro
- 2056 \$30 Per Ton 20% Increase in Capital Cost Accumulated MWH Per Year Inc
- Existing Hydro
 2075 \$15 Per Ton 20% Increase in Capital Cost Accumulated MWH Per Year Inc
- Existing Hydro 2075 \$15 Per Ton 20% Decrease in Capital Cost Accumulated MWH Per Year Inc
- \$15 Per Ton Accumulated MWh Per Year Including Existing Hydro Without ReInvestment

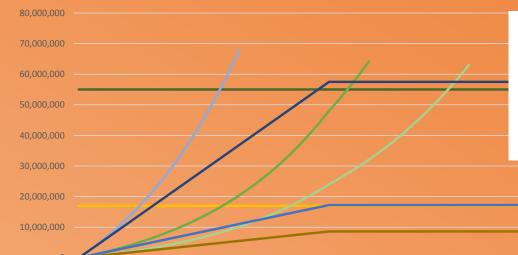




Sensitivity Analysis Policy Options

Parliamentary Budget Office April 2016 (Revenue Neutral) \$100/Ton

Such an estimate was given by the National Round Table on Environment and the Economy (NTREE, 2009). Though their objective was a larger decrease by 2050¹⁰, their results show that a 30 per cent reduction would require a carbon dioxide price of \$100 per tCO2e (their Figure 14, adapted to 2014 dollars 11). Numerous other estimates have been made of the economic impact of reducing emissions, but the comprehensiveness of their analysis allows it to serve as a reference for this report.



Target 1 100% Renewabe Electricity MWh Per Year Target 2 100% Renewable Energy MWh Per Year \$100 Per Ton MWh/Year CTIP

MWh/Year

----\$30 Per Ton MWh/Year CTIP

\$15 Per Ton MWh/Year CTIP

\$100 Per Ton MWh/Year Investement Only

\$30 Per Ton MWh/Year Investement Only

\$15 Per Ton MWh/Year Investement Only

SUMMARY OF ANALYSIS															
SOMMAN OF AMACISIS															
Sensitivity (a) - Original															
Fiscal Year Ending March 31															
(in millions \$)															
Base Costs															
Average Rate Increase	2.00%	2.00%	2.00%	2.00%	2.00%	1.00%	1.00%	1.00%	1.00%	1.00%	3.05%	3.05%	3.05%	3.05%	3.1
Capital Expenditures	277	318	273	235	251	444	775	808	1,046	1,110	955	658	492	447	7
Net Debt	4,806	4,677	4,520	4,364	4,160	4,159	4,489	4,798	5,361	5,960	6,354	6,488	6,825	6,976	6,8
% Debt in Capital Structure	90.4%	87.6%	84.6%	81.9%	79.0%	76.7%	76.3%	75.5%	76.2%	76.7%	76.2%	75.6%	78.7%	80.2%	79
25% Increase in Costs															
Average Rate Increase	2.00%	2.00%	2.00%	2.00%	2.00%	1.00%	1.00%	1.00%	1.00%	1.00%	5.10%	5.10%	5.10%	5.10%	5.1
Capital Expenditures	277	318	273	237	257	494	900	958	1,246	1,335	1,117	758	552	497	- 2
Net Debt	4,806	4,677	4,520	4,367	4,168	4,218	4,676	5,139	5,910	6,748	7,289	7,492	7,885	8,016	7,7
% Debt in Capital Structure	90.4%	87.6%	84.6%	81.9%	79.0%	77.0%	77.0%	76.9%	78.1%	79.1%	78.7%	78.1%	80.9%	81.6%	79
50% Increase in Costs															
Average Rate Increase	2.00%	2.00%	2.00%	2.00%	2.00%	1.00%	1.00%	1.00%	1.00%	1.00%	6.75%	6.75%	6.75%	6.75%	6.3
Capital Expenditures	277	318	273	240	262	544	1,025	1,108	1,446	1,560	1,280	858	612	547	- 2
Net Debt	4,806	4,677	4,520	4,369	4,176	4,275	4,856	5,469	6,438	7,500	8,176	8,440	8,904	9,038	8,6
% Debt in Capital Structure	90.4%	87.6%	84.6%	81.9%	79.0%	77.2%	77.7%	77.9%	79.5%	80.8%	80.3%	79.5%	82.2%	82.5%	79
Sensitivity (b) - Smooth															_
Fiscal Year Ending March 31															