EXAMPLE Benefit Form

A. APPLICATION OF RESULTS (select one)

Application Result	Yes/No	Descriptions (What application the project produces and why)
Firm Application		
Potential Application	Yes	This project provides a more powerful, effective and efficient way in modelling the hydro system than our current models. Application of this approach into our current model would require further work in implementation, but the mathematical framework would already be completed. The project team discovered operational characteristics of the FCRPS that had never before been quantified that can lead to development of a much improved hydro model that would run dramatically faster and with higher accuracy.
Indirect Benefit		
Other		

B. NATURE OF BENEFIT (select all that apply)

Nature of Benefit		Yes/No	Descriptions (How and what degree the outcome will yield the benefit)
Economic Value	Cost Avoidance or Saving	Yes	Better model results and enhanced ability to handle uncertainty would provide us with higher probability of avoiding costly mistakes through improved operational and trading decisions.
	Increase Revenue	Yes	Theoretically, better model results would provide us with higher probability of improving revenue through improved operational and trading decisions.
Strategic Fit	Safety		
	Preserve and enhance generation and transmission assets and value		
	Advance energy efficiency		
	Expand balancing capabilities and resources		
Other			

C.a. BENEFIT DUE TO INCREASE (select all that apply)

Increase In	Yes/No	Descriptions (How and what degree the result increases the item on the left column)
Production Efficiency (hydro system)		
Transmission Revenue		
Power Sales	Yes	Better model results and enhanced ability to handle uncertainty would provide us with higher probability of improving revenue through better operational and trading decisions.
Reliability		
Availability		
Generation and Transmission Assets and Value		
Balancing Capacities and Resources		
Cost Effective Energy Resource		
Other		

C.b. BENEFIT DUE TO DECREASE IN (select all that apply)

Decrease In	Yes/No	Descriptions (How and what degree the result decreases the item on the left column)
Construction Lead Time		
Capital Costs		
System Losses		
Environmental / Financial Risk	Yes	Theoretically, better model results and enhanced ability to handle uncertainty would provide us with the tools needed to work with to improve our chances of being closer to our secondary revenue targets. One of the innovations developed is the ability to enter uncertainty as inputs for any forecast component into the model. This is important, as it will help the river system planners in controlling the amount of risk they want to assume. For instance, if there is more confidence in the streamflow forecast than the load forecast, a higher level of uncertainty can be entered for load forecast inputs and lower level of uncertainty for streamflow inputs, giving the planners full control of the amount of risk they want to assume. The ability to enter levels of uncertainty for inputs is in itself a huge advantage. Having proper control of operational and marketing risk would reduce are chances of forced actions that would have negative impact on secondary revenue.
Congestion		
Power Production Costs		
Maintenance Costs		
Labor through Productivity Gains		
Customer Outage Costs		
Transactional Costs		
Other		