

Category	Fixed or variable with inflation	Present value	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
			Capital Costs											
Trainset and Capital Spares costs	Fixed	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
rolling stock maintenance costs														
Maintenance	TSSSA	Variable	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Light Maintenance Labor	Variable	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
power consumption														
electricity consumed		Variable	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
electricity regenerated		Variable	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	power consumption		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Variable Track charges (VTISM)														
VTISM		Variable	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total at inflated prices			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Present Value at base prices			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Discount Rate Calculation (including discount for inflation)

Base Date	2014
Years from base date	
Real Discount Rate	3.50%
Inflation Rate	2.50%
Electricity Inflation rate	3.50%
Maintenance inflation rate	3.00%
Total annual discount rate applied to nominal cashflows	6.09%

Sample results page - this workbook can be deleted without impacting the model

	Discounted price	% of total
Capital Costs	\$ -	#DIV/0!
Maintenance Costs	\$ -	#DIV/0!
Power Consumption	\$ -	#DIV/0!
VTISM	\$ -	#DIV/0!
Total	\$ -	#DIV/0!

Amtrak Life Cycle Cost Model Completion Instructions

The Life Cycle Cost Model contains four (4) tabs:

- 1.) Input Constants
- 2.) DCF Results
- 3.) Total
- 4.) Instructions

Offerors must provide the requested data and costs **only** in the yellow cells contained within the "**Input Constants**" tab of the workbook. The remainder of the cells and the other workbook tabs will be driven by the Offeror's inputs.

To be completed by the Offeror:

Input Constants Tab:

Cell(s): Description:

Power Consumption:

- D 16 Electricity consumed per Trainset per mile - / kWh/mile
D 17 Electricity regenerated per Trainset per mile - / kWh/mile

Track Maintenance Costs:

- D 33 Input the projected necessary track maintenance cost per vehicle mile

Light Maintenance Labor Costs:

- D 37 Input the projected annual routine maintenance hours required for Trainset operation

Capital Costs:

- D 42 The Offeror's per Trainset cost for rolling stock as included in proposal
D 43 The Offeror's projected total cost of recommended capital spares included in proposal

Delivery Profile and TSSSA Costs / Year:

- J 7 - J 36 Input the number of completed Trainsets to be delivered / calendar year
L 7 - L 36 Input a projected percentage of the delivery of capital spares in the recommended year (total of 100%)
N 7 - N 36 Input the per year costs of the proposed TSSSA agreement in the corresponding year