UxC Fuel Quantity & Cost Calculator

Enter the known quantity into the appropriate box below. Then press the **Calculate** button to display the equivalent volumes in the various units. To calculate Component Volumes, type a value into one of the **Component Volumes** boxes and press **Calculate**.

Assumptions

Optimal Tails Results

0.183

\$3,920.47

Optimal Tails

EUP Cost

Feed Assay	0.711		w/o	
Tails Assay	0.25		w/ _o	
Product Assay	4.50		w/ _o	
U ₃ O ₈ Cost	75.00		\$/lb	U ₃ O ₈
Conversion Cost	97.00		\$/kg	U as UF ₆
UF ₆ Cost	284.50		\$/kg	U as UF ₆
SWU Cost	190.00		\$/SV	VU
UF ₆ Conv. Factor	General	Cam	eco	ConverDyn
	O2.612828	02.6	61283	2.61285
Cost Basis	●U ₃ O ₈ /Conv		\bigcirc UF $_{6}$	
	Calculate			
EUP Cost	\$4,006.37			

w/o

\$/kgU EUP

Enrichment Equations

Feed to Product = (Xp - Xt) / (Xf - Xt) V(x) = ((2 * x) - 100) * Ln(x / (100 - x))SWU to Product = (V(p) - V(t)) - FtoP * (V(f) - V(t)))

SWU: Separative Work Unit EUP: Enriched Uranium Product

Enter Component Quantity

Quantity			
	U ₃ O ₈ UF ₆ SWU EUP	○Pounds ○kgU ○SWU ○kgU	
Componer	ot Malumaa		

Component Volumes

U ₃ O ₈	0.0	pounds	
UF ₆	0.0	kgU	
Enrichment	0.0	SWU	
EUP	0.0	kgU	
	0.0	90	

Product Ratios

Feed to Product	9.2191	FtoP
Function V(Feed)	486.8883	V(f)
Function V(Product)	278.0094	V(p)
Function V(Tails)	595.9017	V(t)
SWU to Product	6.8711	SWUtoP