

Form A

		Program Co	st Summary			
Service Provider:						
Date Prepared:	Date Prepared:					
Fiscal Year:						
	A	В	C	D	E	F
	MSW			Program Category		
Direct Costs:	Budget	Collection	Disposal	Recycling	Yard Waste	Other
1 Salaries, Wages & Benefits (Form 1)						
2 Vehicle Expense (Forms 2 and 3)						
3 Other						
4 Long Term Debt Payment (Form 4)						
5 Short Term Debt Payment (Form 4)						
6 Cash Capital Outlays (Form 4)						
7 Extraordinary Cash Outlays (Form 4)						
8 Other Landfill Costs (Forms 5, 6 and 7)						
9 Contractual Disposal Service (a)						
0 Sub-Total						
1 General O&M (Form 8)						
2 Other Costs (Form 9)						
3 Total Direct Costs						
Indirect Costs:						
4 Total Indirect Costs (Form 10 or 11)			<u> </u>			
Other Revenue:						
5 Interest Income						
6 Sale of Recyclables						
7 Miscellaneous Revenue						
8 Equipment Salvage Value						
9 Other						
0						
1 Total Other Revenue						
2 Total Full Cost (Lines 13 + 14 - 21)						

(to Form B, Line 1)

Note:

(a) For those cities that have contracted to dispose of their solid waste at a private landfill or at a landfill operated by a private waste management company, the annual amount paid should be entered here.



Form B

			Rate Calcul	ation Summa	ary		
	Service Provider:]				
	Date Prepared:						
	Fiscal Year:						
		\mathbf{A}	В	\mathbf{C}	D	${f E}$	${f F}$
				Program	Category		
	Program Rates	Collection	Disposal	Recycling	Yard Waste	Other	Total
1	Total Full Cost (From Form A, Line 22)						
2	Billing Units (a)						
3	Cost Per Billing Unit (Line 1 / Line 2)						
			1	r		ı	
	Customer Class Rates (b)	Program:	Residential	Commercial	Other		
4	Total Full Cost (From Form C, Line 22)						
5	Billing Units (a)						
	Cost Per Billing Unit						
6	(Line 4 / Line 5)						

Notes:

- (a) Number of households served, commercial containers x frequency, tons, etc.
- (b) This section should be completed for each solid waste program that has more than one customer class.



Form C

Service Provider:				
Date Prepared:				
Fiscal Year:				
	A	В	C	D
	MSV	W PROGRAM:		
	Program Cost	<u> </u>	Customer Classes	
	(From Form A)	Residential	Commercial	Other
Direct Costs (b):				
Salaries, Wages & Benefits				
Vehicle Expense				
Other	†		†	
Long Term Debt Payment	†		†	
Short Term Debt Payment				
Cash Capital Outlays				
Extraordinary Cash Outlays				
Other Landfill Costs				
Contractual Disposal Service (c)				
Sub-Total				
General O&M				
Other Costs				
Total Direct Costs				
Indirect Costs (b): Total Indirect Costs	<u></u>		<u></u>	
Other Revenue (b):				
Interest Income				
Sale of Recyclables				
Miscellaneous Revenues				
Equipment Salvage Value				
Other				
Total Other Revenue				
Total Other Revenue	T			

(to Form B, Line 4)

Notes:

- (a) This form should be completed for each solid waste program that has more than one class of customers.
- (b) Calculated using Form 14.
- (c) For those cities that have contracted to dispose of their solid waste at a private landfill or at a landfill operated by a private waste management company, the annual amount paid should be entered here.





Salaries, Wages & Benefits - Annual

			1		
Service Provider:					
Date Prepared:					
Fiscal Year:					
Program:					
	Total		Total Wages &	Proportion of Time on	Wages and Benefits
Employee	Wages	Benefits	Benefits	this Program	this Program
		То	tal Calarias W	logos & Donofits	

(To Form A, Line 1)



Form 2

OF ENVISORATION OF ENVISORATIO
WASTE MANAGEMENT & RADIATION CONTROL

Monthly Vehicle Expense Report by Program

Service Provider:	Month:
Date Prepared:	Program:

Vehicle I.D.	Fuel	Repair Labor	Parts/ Supplies	Outside Costs	Lease Cost	Total Monthly Costs of Vehicle	% of Use in Program	Total Monthly Program Costs of Vehicle
			The state of the s					

Total Monthly Vehicle Expense by Program

(To Form 3)





Service Provider:

Utah Division of Waste Management and Radiation Control Municipal Solid Waste - Full Cost Accounting Workbook

Annual Vehicle Expense Report by Program

Fiscal Year:

Date Prepared:	Program:
<u>Month</u>	Total Monthly Vehicle <u>Expense by Program</u>
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

Annual Vehicle Expense by Program



Capital Costs - Annual

		Capital Cost	3 7 minuur		
Service Provider:					
Date Prepared:					
Fiscal Year:					
Program:					
Long Term Debt P	ayment				
		Total P & I	Percentage	Program P & I	Year Debt
ſ	Debt Issue	Annual Amount	To Program	Annual Amount	Expires
•			Total		(1)
Short Term Debt P	Payment				
	Debt Issue	Total P & I Annual Amount	Percentage To Program	Program P & I Annual Amount	Year Debt Expires
					_
l			Total		(1)
			10001		[(1)
Cash Capital Outla	ays				
_		Purchase	Percentage	Program	
ī	Description	Amount	To Program	Annual Amount	1
•			Total		(1)
Extraordinary Cas	sh Outlavs				
	3 	Purchase	Expected	Amortized	Retirement
_	Description	Amount	Life (Years)	Annual Amount	Year





Other Landfill Costs - Annual

Service Provider:	
Date Prepared:	
Fiscal Year:	
Site:	
Operating Costs:	
Cover Material	
2 Laboratory Testing	
B Permits	
4 Gas Collection	
5 Leachate Collection & Disposal	
5 Engineering	
7 Legal	
Regulatory Fees (i.e. TNRCC Fees)	
Other Other	
) Sub-Total	
Annualized Predevelopment and Construction Costs	
(From Form 6, Line 20)	
2 Closure and Post-Closure Care Costs	
(From Form 7, Line 19)	
3 Other	
4 Other	
5 Sub-Total	
	<u> </u>
5 Total	
, ivai	(to Form A, Line 8



Predevelopment and Construction Costs - Annual

	Service Provider:		
	Date Prepared:		
	Fiscal Year:		
	Site:		
_			
	Predevelopment Costs:		
1	Engineering and Design]
2	Permiting		
3	Legal		1
4	Land Purchase		1
5	Administrative		
6	Other		
7	Total Predevelopment Costs	-	
	Construction Costs:		_
8	Earthwork		
9	Liner System		
10	Leachate System		
11	Gas Venting		
12	Scale System		
13	Landscaping		
14	Construction Engineering		
15	Other		
16	Other		
17	Total Construction Costs		
18	Total Predevelopment and Construction Costs		
			-
19	Expected Landfill Life (years)		
			-
20	Annual Cost (Line 18 Divided by Line 19)		
			(to Form 5, Line 11)



Closure & Post-Closure Care Costs - Annual

	Service Provider: Site:	
	Date Prepared: Date of Cost	t Estimate:
	Fiscal Year:	
	Closure Costs (1):	
1	Phase 1 Closure Cost \$	
2	Less amount already reserved for closure \$	
3	Net remaining closure costs (Line 1 - Line 2) \$	
4	Expected number of years until funds are required	years
5	Annual cost for phase 1 closure (Line 3/ Line 4)\$	per year
6	Phase 2 Closure Cost \$	
7	Less amount already reserved for closure \$	
8	Net remaining closure costs (Line 6 - Line 7) \$	
9	Expected number of years until funds are required	years
0	Annual cost for phase 2 closure (Line 8/ Line 9)\$	per year
	Total Annual Closure Costs:	
1	Phase 1 (Line 5) \$	per year
12	Phase 2 (Line 10) \$	per year
13	Total (Line 11 + Line 12)	\$ per year
	Post-Closure Care Costs:	
14	Post-Closure Care Costs \$	
15	Less amount already reserved for post-closure \$	
16	Net remaining post-closure costs (Line 14 - Line\$	
7	Expected number of years until funds are required	years
8	Annual Post-Closure Care Costs (Line 16 / Line 17)	\$ per year
19	Total Annual Closure and Post-Closure Care Costs:	\$ per year
	(Line 13 + Line 18)	(to Form 5, Line 12)

Note:

(1) Recognizing that closure may be carried out in a series of phases at the landfill. For an example of how fees may be established to recover closure and post-closure care costs please refer to the example on p. 20 of this workbook.





		General Opera	tion & Mainto	enance - Ann	ual		
Service Provider:]	Date Prepared:]	
Fiscal Year:]				•	
DIRECTLY ASS	IGNABLE COSTS						
Account					Program Category	y	
Number	Description	Total Cost	Collection	Disposal	Recycling	Yard Waste	Other
1							
2							
3			_				
4 5			+				
6			+				
7							
8							
9							
0	Total Dollar Amount						
ALLOCATED C	<u>OSTS</u>						
Account					Program Category	y	
Number	Description	Total Cost	Collection	Disposal	Recycling	Yard Waste	Other
1	Allocation Percentage (1)	100%					
2							
3		<u> </u>	-				
4 5	+	<u> </u>					
6	+	,					
7							
8	Total Dollar Amount						
	Total General O&M						
9		(To Form A. Line 11)			1	1

⁽¹⁾ This percentage is calculated based on a composite of the city's direct costs as sub-totaled on Form A, line 10. For instance, if 50% of the direct costs on Form A, line 10, are collection related, then 50% is entered on Form 8, line 11, for the collection program.





			Othe	er Costs - Ani	Ilual			
S	ervice Provider:			Date Prepared:			1	
F	iscal Year:							
D	DIRECTLY ASSI	GNABLE COSTS						
	Account		Γ		-	Program Category	<i></i>	
	Number	Description	Total Cost	Collection	Disposal	Recycling	Yard Waste	Other
1		Т				 		
2		†				+		
3						†	i	
4								
5								
6								
7						<u> </u>		
8		 				 		
9		Total Dellan Amount						
10		Total Dollar Amount						
<u>A</u>	ALLOCATED CO	<u>DSTS</u>						
	Account					Program Category	7	
	Number	Description	Total Cost	Collection	Disposal	Recycling	Yard Waste	Other
11	•	Allocation Percentage (1)	100%					
12								
13								
14								
15							 	
16								
17								
18		Total Dollar Amount					<u></u>	
			Costs Per Program					
19		(*	(To Form A, Line 12)			· I	ı	

⁽¹⁾ This percentage is calculated based on a composite of the city's direct costs as sub-totaled on Form A, line 10. For instance, if 50% of the direct costs on Form A, line 10, are collection related, then 50% is entered on Form 8, line 11, for the collection program.



Indirect Cost Method I: Internal Assessment Allocation

Serv	rice Provider:				
Date	Prepared:				
Fisca	al Year:				
			•		
	Part 1				
				\$ Amount]
			% Attributable	Attributable to	
	Department I	Departmental Budget	to Solid Waste Dept.	Solid Waste Dept.	
	(1)	(2)	(3)	(4)	•
1		()	(-)]
2					
3					1
4					
5					1
6					1
7					1
8					1
9					1
10					1
11					1
12					1
12	I				J
13			TOTAL		1
10			101112	(To Part 2, Column C)	ı
				(,	
	Part 2	A	В	C	D
				Total from	
		Direct Costs	% of Total MSW	Part 1	Indirect Cost to
	Program	(From Form A, Line 13)	Direct Costs	(\$ Amount)	Program (BxC)
	- 6	(' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '			18 (-/
14 Col	llection				
15 Dis	posal				
16 Rec					
	rd Waste				
18 Oth	ner				
19					
20	Total MSW Direct Costs		100%	('	To Form A, Line 14)





Indirect Cost Method II: Employee Based Allocation

	Service Provider:				
	Date Prepared:				
	Fiscal Year:				
	Part 1 Department	Departmental Budget			
1					
2					
3					
4					
5					
6					
7 8					
9					
10					
11					
12					
13	TOTAL				
I	Part 2				
ı	1 WIV 2				
	Solid Waste Employees				
15	Total Municipal Employees				
16	Ratio of MSW Employees to Total		(Line 14 divided by I	ine 15)	
17	Amount Allocated to MSW			(Total from Part 1 mu	ultiplied by Line 16)
	Part 3	A	В	C	D
		Solid Waste	% of Total MSW	\$ Amount From	Indirect Cost to
	Program	Employees by Program	Employees	Part 2, Line 17	Program (BxC)
18	Collection				
	Disposal				
20	Recycling				
21	Yard Waste				
22	Other				
23					
24	Total MSW Employees		100%	(To Form A, Line 14)





Monthly Materials

	Residential	Commercial		Yard	Outside	Other
	Solid Waste	Solid Waste	Recyclables	Waste	Source	
Units:						
Day						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
-					Ţ	
ls						

Form 13



Utah Division of Waste Management and Radiation Control Municipal Solid Waste - Full Cost Accounting Workbook

Annual Materials

Service Provider	:					
Date Prepared:						
Year:						
	Residential	Commercial		Yard	Outside	Other
	Solid Waste	Solid Waste	Recyclables	Waste	Source	
Units:						
Month						
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
Totals						





Service Provider:

Utah Division of Waste Management and Radiation Control Municipal Solid Waste - Full Cost Accounting Workbook

Customer Class Costs - Detail

Date Prepared:		
Fiscal Year:		
Program:		
Part 1	(Columns A and B are taken directly from Form	11)

A	B	Ċ	D	${f E}$
	Salaries,		Customer Classes	3
Employee	Wages & Benefits	Residential	Commercial	Other
Total (To Form C)				

Part 2

Annual vehicle expense may be calculated by determining the annual costs of each vehicle associated with the solid waste program for which rates are being established. This information may be gathered from the city's internal services fund or by summing the "Total Monthly Program Costs of Vehicle" from Form 2 for 12 months and using this information to develop a budgeted amount in annual vehicle expense for each vehicle. This amount would then be assigned to the appropriate customer classes.

Vehicle	Annual Vehicle		Customer Classes	
Identification	Expense	Residential	Commercial	Other
Total (To Form C)				





Service Provider:

Utah Division of Waste Management and Radiation Control Municipal Solid Waste - Full Cost Accounting Workbook

(Page 2 of 5)

Customer Class Costs - Detail

Date Prepared:				
Fiscal Year:				
Program:				
D / A				
	(Columns A and B are tak			T D
A	В	С	D C 4 Cl	E
Long Term	Program P&I	Residential	Customer Classes	041
Debt Issue:	Annual Amount	Residential	Commercial	Other
Total (To Form C)				
Total (To Polin C)				
Short Term	Program P&I		Customer Classes	
Debt Issue:	Annual Amount	Residential	Commercial	Other
Dent Issue.	Aimuai Aimount	Residential	Commercial	Other
Total (To Form C)				
Cash Capital Outlays	Program		Customer Classes	
Description:	Annual Amount	Residential	Commercial	Other
r			.	
Total (To Form C)				
` 'L			<u>I</u>	
Extraordinary Cash	Amortized		Customer Classes	
Outlays:	Annual Amount	Residential	Commercial	Other
·			<u>. </u>	
Total (To Form C)				
			•	





Part 5

Total (To Form C)

Utah Division of Waste Management and Radiation Control Municipal Solid Waste - Full Cost Accounting Workbook

Customer Class Costs - Detail

	_
rvice Provider:	
te Prepared:	
scal Year:	
ogram:	

Part 4	(Other Direct Landfill Costs Forms 5, 6, and 7)
rart 4	(Other Direct Landfill Costs - Forms 5, 6, and 7)

(General O&M is taken directly from Form 8)

Other Direct Landfill Costs are related solely to the city's disposal program. Because Form 14 is not needed to allocate disposal program costs between customer classes, these costs are not shown on this form. To allocate disposal program costs among customer classes refer to Example #2 on page 33 of this workbook.

	Total Cost for the		Customer Classe	S
Description	Program	Residential	Commercial	Other
Allocation				
Percentage (1)	100%			

(1) This percentage is calculated based on a composite of the city's direct costs as sub-totaled on Form C, line 10. For instance, if 50% of the direct costs on Form C, line 10 are related to the residential customer class, then 50% is entered on this line under residential. 50% of the General O&M costs are then allocated to the residential customer class.





Customer Class Costs - Detail

			1		
Date Prepared: Fiscal Year:			1		
Program:			1		
			1		
Part 6	(Other Cost is taken direct	ly from Form 9)			
	_				
	Total Cost for the	Customer Classes			
Description	Program	Residential	Commercial	Other	
	T T		1		
Allocation	1000/				
Percentage (2)	100%				
	1 1		1		
Total (To Form C					
Total (To Form C	among customer classes in t	he same manner as ar	e General O&M costs	(Form 14, Part 5).	
Other costs are allocated a Part 7 Total Indirect Costs	among customer classes in t	orogram is taken dired	ctly from Form C, Line		
Other costs are allocated a Part 7 Total Indirect Costs	(The indirect cost for the p	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	
Other costs are allocated a Part 7 Total Indirect Costs	among customer classes in t	orogram is taken dired	ctly from Form C, Line		
Part 7 Total Indirect Costs For the Program	(The indirect cost for the p	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	
Part 7 Total Indirect Costs For the Program Direct Costs	(The indirect cost for the p	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	
Part 7 Total Indirect Costs For the Program	(The indirect cost for the p	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	
Part 7 Total Indirect Costs For the Program Direct Costs (From Form C, Line 13)	The indirect cost for the program	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	
Part 7 Total Indirect Costs For the Program Direct Costs (From Form C, Line 13) % of Direct Costs by Cu	The indirect cost for the program Program stomer Class	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	
Part 7 Total Indirect Costs For the Program Direct Costs (From Form C, Line 13) % of Direct Costs by Cu (calculated using data on	Program Stomer Class Line 2)	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	
Part 7 Total Indirect Costs For the Program Direct Costs (From Form C, Line 13) % of Direct Costs by Cu (calculated using data on Indirect Cost for the Program)	Program Stomer Class Line 2) Degram Multiplied by	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	
Part 7 Total Indirect Costs For the Program Direct Costs (From Form C, Line 13) % of Direct Costs by Cu (calculated using data on	Program Stomer Class Line 2) Ogram Multiplied by cet Cost %	orogram is taken direct Direct Costs	etly from Form C, Lind (from Form C)	e 14, Column A)	





Customer Class Costs - Detail Service Provider: Date Prepared: Fiscal Year: Program: (Other Revenue for the Program is taken directly from Form C, Lines 15-20, Column A)

	Total Revenue for the	Customer Classes (3)		
Description	Program	Residential	Commercial	Other
-				
Total (To Form C)				

(3) These revenues should be directly assigned where possible. If they cannot be directly assigned, they should be allocated among customer classes based on a composite of the direct costs associated with each customer class (Form C, Line 13).