

RIN Verification and Reporting Cost Estimate

<u>category</u>	<u>time</u> mgmt prof/teclerical				<u>Capital \$</u>	<u>Total Hrs</u>	<u>Total \$</u>	<u>Notes/Assumptions</u>
<u>RIN Generator:</u>					fr			
Site Visit	1	16	4	2		42	3292	2 day visit, professional escorts auditor throughout visit, manager i
Reporting	2	12	4	3		54	4116	
Recordkeeping	0	0	2	3		<u>6</u>	<u>0</u>	
						102	7408	travel = 600 airfare, 150 lodging, 80 per diem
<u>Auditor:</u>								
Contract Initiation	4	4	2	1	530	10	1354	1 day travel, 1/2 day negotiation
Site Visit	4	16	0	1	1060	20	3036	2 day visit
Follow-up Visit	1	6	0	3	1060	21	5238	1 day visit
Follow-up Verification	1	24	10	2		35	4828	full verification after first visit, reduced effort for secondary visits
feedstock suppliers	0	4	0	4		4	1536	
process fuel suppliers	0	4	0	4		4	1536	
volume/mass balance	0	4	0	4		4	1536	
monitoring	2	75	0	1		77	7420	1.5 hr per week (monitoring data, plus EMTS)
Consultants				2	1000	0	2000	Hired help with auditing
Reporting	2	16	8	2		26	3512	
Recordkeeping	0	12	25	1		<u>37</u>	<u>1152</u>	
						238	33148	
<u>EPA:</u>								
Implementation		4				4	356	
Number of RIN Generators:					485	49,470	\$ 3,592,880	
Number of Audits:					600	142,800	\$ 19,888,800	
EPA Burden					600	2,400	\$ 213,600	2080 = 1 FTE
TOTAL						194,670	\$ 23,695,280	
Industry TOTAL						192,270	\$ 23,481,680	\$ 0.009 \$/RIN

ICRAS Reporting

			responses = 600, respondents = 485
		t/respon	\$/respon
Total recordkeeping	25,110	\$ 691,200	41.85 \$1,152.000000000000
Total reporting	167,160	\$ 22,790,480	278.6 \$37,984.133333333300

Total	192,270	\$ 23,481,680	320.45	\$39,136.133333333300
Total Capital & O&M		\$ 4,062,000		\$6,770.000000000000
Amortized 10 yers at 7%		\$ 578,337		\$963.895693500000

meets briefly with auditor.

RIN Verification and Reporting Cost Estimate

5 Million Gallon/Year Plant

<u>category</u>	<u>time</u>			<u>\$/hr</u>			<u>Capital \$</u>	<u>Total Hrs</u>
	mgmt	prof/tech	clerical	mgmt	prof/tech	clerical		
				110	96	37		
<u>RIN Generator:</u>					fr			
Site Visit	1	12	4				1	17
Reporting	2	8	4				3	42
Recordkeeping	0	0	2				3	<u>6</u>
								65
<u>Auditor:</u>								
Contract Initiation	4	4	2				1 530	10
Site Visit	2	12	0				1 1060	14
Follow-up Visit	1	6	0				1 1060	7
Follow-up Verification	1	16	10				1	27
feedstock suppliers	0	4	0				4	4
process fuel suppliers	0	4	0				4	4
volume/mass balance	0	4	0				4	4
monitoring	2	50	0				1	52
Consultants							4 500	0
Reporting	0	4	12				2	16
QAP Prep	2	16	4				1	22
EMTS	0	25	0				1	25
Recordkeeping	0	12	25				1	<u>37</u>
								<u>222</u>
							<u>TOTAL</u>	287

Total \$ Notes/Assumptions

Bureau of Labor, May 2011, mean average wages

1410 1.5 day visit, professional escorts auditor throughout visit, manager meets briefly with auditor.

3408

222

5040

travel = 600 airfare, 150 lodging, 80 per diem

1428 1 day travel, 1/2 day negotiation

2432 1.5 day visit

1746 1 day visit

2016 full verification after first visit, reduced effort for secondary visits

1536

1536

1536

5020 1 hr per week

2000 Hired help with auditing

1656

1904

2400 1/2 hour per week

2077

27287

32327 \$ 0.004 \$/RIN

RIN Verification and Reporting Cost Estimate

20 Million Gallon/Yea

<u>category</u>	<u>time</u>			<u>\$/hr</u>			<u>Capital \$</u>	
	mgmt	prof/tech	clerical	mgmt	prof/tech	clerical		
				110	96	37		
<u>RIN Generator:</u>								
Site Visit	1	16	8		fr		1	
Reporting	2	12	4				3	
Recordkeeping	0	0	4				3	
<u>Auditor:</u>								
Contract Initiation	4	4	2				1	530
Site Visit	2	16	4				1	1060
Follow-up Visit	1	6	0				1	1060
Follow-up Verification	1	20	10				2	
feedstock suppliers	0	8	0				4	
process fuel suppliers	0	8	0				4	
volume/mass balance	0	4	0				4	
monitoring	2	50	0				1	
Consultants							4	1000
Reporting	0	4	12				4	
QAP Prep	3	24	8				1	
EMTS	0	25	0				1	
Recordkeeping	0	24	32				1	
								<u>TOTAL</u>

ir Plant

<u>Total Hrs</u>	<u>Total \$</u>	<u>Notes/Assumptions</u>
		Bureau of Labor, May 2011, mean average wages
25	1942	2 day visit, professional escorts auditor throughout visit, manager meets briefly with a
54	4560	
<u>12</u>	444	
91	6946	
		travel = 600 airfare, 150 lodging, 80 per diem
10	1428	1 day travel, 1/2 day negotiation
22	2964	2 day visit
7	1746	1 day visit
31	4800	full verification after first visit, reduced effort for secondary visits
8	3072	
8	3072	
4	1536	
52	5020	1 hr per week
0	4000	Hired help with auditing
16	3312	
35	2930	
25	2400	1/2 hour per week
<u>56</u>	3488	
<u>274</u>	<u>39768</u>	
365	46714	\$ 0.002 \$/RIN

uditor.

RIN Verification and Reporting Cost Estimate

100 Million Gallon/Year Plant

category	time			\$/hr			Capital \$	Total Hrs
	mgmt	prof/tech	clerical	mgmt	prof/tech	clerical		
				110	96	37		
<u>RIN Generator:</u>					fr			
Site Visit	2	24	12				1	38
Reporting	2	16	8				3	78
Recordkeeping	0	0	8				3	<u>24</u>
								140
<u>Auditor:</u>								
Contract Initiation	6	8	4				1 530	18
Site Visit	4	24	12				1 1590	40
Follow-up Visit	2	8	4				1 1060	14
Follow-up Verification	1	40	16				2	57
feedstock suppliers	0	20	0				4	20
process fuel suppliers	0	20	0				4	20
volume/mass balance	0	12	0				4	12
monitoring	2	50	0				1	52
Consultants							4 2000	0
Reporting	0	8	16				4	24
QAP Prep	3	30	10				1	43
EMTS	0	50	0				1	50
Recordkeeping	0	36	50				1	<u>86</u>
								436
							TOTAL	576

Total \$ Notes/Assumptions

Bureau of Labor, May 2011, mean average wages

2968 3 day visit, professional escorts auditor throughout visit, manager meets briefly with auditor.

6156

888

10012

travel = 600 airfare, 150 lodging, 80 per diem

2106 1 day travel, 1/2 day negotiation

4778 3 day visit

2196 1 day visit

9084 full verification after first visit, reduced effort for secondary visits

7680

7680

4608

5020 1 hr per week

8000 Hired help with auditing

5440

3580

4800 1/2 hour per week

5306

70278

80290 \$ 0.001 \$/RIN