

Appendix A

Cost and Burden by Project Type

Appendix A: Cost and Burden by Project Type
Known DOE EOR Research and Development

ICR Activity	Sub Categories/Notes	Year 1											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	1	1	1	3.0	1.0	0.0	0.0	4	\$ 293	\$ -	\$ -	\$ 293
	Injectate Sampling and Analysis Plan	1	1	1	2.0	0.0	0.0	0.0	2	\$ 128	\$ -	\$ -	\$ 128
	Injectate Sampling and Analysis	1	4	4	2.0	0.0	0.5	0.0	10	\$ 570	\$ -	\$ 960	\$ 1,530
Reporting and Recordkeeping	Reporting	1	1	1	21.2	2.6	2.6	0.0	26	\$ 1,700	\$ -	\$ -	\$ 1,700
	Recordkeeping	1	1	1	6.2	0.8	0.8	0.0	8	\$ 500	\$ -	\$ -	\$ 500
	Totals	1	8	8	N/A	N/A	N/A	N/A	50	\$ 3,191	\$ -	\$ 960	\$ 4,151

Appendix A: Cost and Burden by Project Type
 Known DOE EOR Research and Development

ICR Activity	Sub Categories/Notes	Year 2											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	1	1	1	3.0	1.0	0.0	0.0	4	\$ 293	\$ -	\$ -	\$ 293
	Injectate Sampling and Analysis Plan	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	1	4	4	2.0	0.0	0.5	0.0	10	\$ 570	\$ -	\$ 960	\$ 1,530
Reporting and Recordkeeping	Reporting	1	1	1	21.2	2.6	2.6	0.0	26	\$ 1,700	\$ -	\$ -	\$ 1,700
	Recordkeeping	1	1	1	6.2	0.8	0.8	0.0	8	\$ 500	\$ -	\$ -	\$ 500
	Totals	1	7	7	N/A	N/A	N/A	N/A	48	\$ 3,063	\$ -	\$ 960	\$ 4,023

Appendix A: Cost and Burden by Project Type
 Known DOE EOR Research and Development

ICR Activity	Sub Categories/Notes	Year 3											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	1	1	1	3.0	1.0	0.0	0.0	4	\$ 293	\$ -	\$ -	\$ 293
	Injectate Sampling and Analysis Plan	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	1	4	4	2.0	0.0	0.5	0.0	10	\$ 570	\$ -	\$ 960	\$ 1,530
Reporting and Recordkeeping	Reporting	1	1	1	21.2	2.6	2.6	0.0	26	\$ 1,700	\$ -	\$ -	\$ 1,700
	Recordkeeping	1	1	1	6.2	0.8	0.8	0.0	8	\$ 500	\$ -	\$ -	\$ 500
	Totals	1	7	7	N/A	N/A	N/A	N/A	48	\$ 3,063	\$ -	\$ 960	\$ 4,023

Appendix A: Cost and Burden by Project Type
 Known DOE EOR Research and Development

ICR Activity	Sub Categories/Notes	Annual Average - 3 Year ICR Period											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	1.0	1.0	1.0	3.0	1.0	0.0	0.0	4	\$ 293	\$ -	\$ -	\$ 293
	Injectate Sampling and Analysis Plan	0.3	0.3	0.3	0.7	0.0	0.0	0.0	1	\$ 43	\$ -	\$ -	\$ 43
	Injectate Sampling and Analysis	1.0	4.0	4.0	2.0	0.0	0.5	0.0	10	\$ 570	\$ -	\$ 960	\$ 1,530
Reporting and Recodkeeping	Reporting	1.0	1.0	1.0	21.2	2.6	2.6	0.0	26	\$ 1,700	\$ -	\$ -	\$ 1,700
	Recordkeeping	1.0	1.0	1.0	6.2	0.8	0.8	0.0	8	\$ 500	\$ -	\$ -	\$ 500
	Totals	1.0	7.3	7.3	N/A	N/A	N/A	N/A	49	\$ 3,106	\$ -	\$ 960	\$ 4,066

Appendix A: Cost and Burden by Project Type
 Known DOE Saline Research and Development

ICR Activity	Sub Categories/Notes	Year 1											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	6	1	6	3.0	1.0	0.0	0.0	24	\$ 1,758	\$ -	\$ -	\$ 1,758
	Injectate Sampling and Analysis Plan	6	1	6	2.0	0.0	0.0	0.0	12	\$ 767	\$ -	\$ -	\$ 767
	Injectate Sampling and Analysis	6	4	24	2.0	0.0	0.5	0.0	60	\$ 3,423	\$ -	\$ 5,760	\$ 9,183
Reporting and Recordkeeping	Reporting	6	1	6	21.2	2.6	2.6	0.0	159	\$ 10,200	\$ -	\$ -	\$ 10,200
	Recordkeeping	6	1	6	6.2	0.8	0.8	0.0	47	\$ 3,000	\$ -	\$ -	\$ 3,000
	Totals	6	8	48	N/A	N/A	N/A	N/A	302	\$ 19,147	\$ -	\$ 5,760	\$ 24,907

Appendix A: Cost and Burden by Project Type
 Known DOE Saline Research and Development

ICR Activity	Sub Categories/Notes	Year 2											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	4	1	4	3.0	1.0	0.0	0.0	16	\$ 1,172	\$ -	\$ -	\$ 1,172
	Injectate Sampling and Analysis Plan	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	4	4	16	2.0	0.0	0.5	0.0	40	\$ 2,282	\$ -	\$ 3,840	\$ 6,122
Reporting and Recordkeeping	Reporting	4	1	4	21.2	2.6	2.6	0.0	106	\$ 6,800	\$ -	\$ -	\$ 6,800
	Recordkeeping	4	1	4	6.2	0.8	0.8	0.0	31	\$ 2,000	\$ -	\$ -	\$ 2,000
	Totals	4	7	28	N/A	N/A	N/A	N/A	193	\$ 12,254	\$ -	\$ 3,840	\$ 16,094

Appendix A: Cost and Burden by Project Type
 Known DOE Saline Research and Development

ICR Activity	Sub Categories/Notes	Year 3											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	3	1	3	3.0	1.0	0.0	0.0	12	\$ 879	\$ -	\$ -	\$ 879
	Injectate Sampling and Analysis Plan	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	3	4	12	2.0	0.0	0.5	0.0	30	\$ 1,711	\$ -	\$ 2,880	\$ 4,591
Reporting and Recordkeeping	Reporting	3	1	3	21.2	2.6	2.6	0.0	79	\$ 5,100	\$ -	\$ -	\$ 5,100
	Recordkeeping	3	1	3	6.2	0.8	0.8	0.0	23	\$ 1,500	\$ -	\$ -	\$ 1,500
	Totals	3	7	21	N/A	N/A	N/A	N/A	145	\$ 9,190	\$ -	\$ 2,880	\$ 12,070

Appendix A: Cost and Burden by Project Type
 Known DOE Saline Research and Development

ICR Activity	Sub Categories/Notes	Annual Average - 3 Year ICR Period											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	4.3	1.0	4.3	3.0	1.0	0.0	0.0	17	\$ 1,270	\$ -	\$ -	\$ 1,270
	Injectate Sampling and Analysis Plan	2.0	0.3	2.0	0.7	0.0	0.0	0.0	4	\$ 256	\$ -	\$ -	\$ 256
	Injectate Sampling and Analysis	4.3	4.0	17.3	2.0	0.0	0.5	0.0	43	\$ 2,472	\$ -	\$ 4,160	\$ 6,632
Reporting and Recordkeeping	Reporting	4.3	1.0	4.3	21.2	2.6	2.6	0.0	115	\$ 7,367	\$ -	\$ -	\$ 7,367
	Recordkeeping	4.3	1.0	4.3	6.2	0.8	0.8	0.0	34	\$ 2,167	\$ -	\$ -	\$ 2,167
	Totals	4.3	7.3	32.3	N/A	N/A	N/A	N/A	213	\$ 13,530	\$ -	\$ 4,160	\$ 17,690

Appendix A: Cost and Burden by Project Type
 Future DOE Saline Research and Development

ICR Activity	Sub Categories/Notes	Year 1											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	2	1	2	3.0	1.0	0.0	0.0	8	\$ 586	\$ -	\$ -	\$ 586
	Injectate Sampling and Analysis Plan	2	1	2	2.0	0.0	0.0	0.0	4	\$ 256	\$ -	\$ -	\$ 256
	Injectate Sampling and Analysis	2	4	8	2.0	0.0	0.5	0.0	20	\$ 1,141	\$ -	\$ 1,920	\$ 3,061
Reporting and Recordkeeping	Reporting	2	1	2	21.2	2.6	2.6	0.0	53	\$ 3,400	\$ -	\$ -	\$ 3,400
	Recordkeeping	2	1	2	6.2	0.8	0.8	0.0	16	\$ 1,000	\$ -	\$ -	\$ 1,000
	Totals	2	8	16	N/A	N/A	N/A	N/A	101	\$ 6,382	\$ -	\$ 1,920	\$ 8,302

Appendix A: Cost and Burden by Project Type
 Future DOE Saline Research and Development

ICR Activity	Sub Categories/Notes	Year 2											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	3	1	3	3.0	1.0	0.0	0.0	12	\$ 879	\$ -	\$ -	\$ 879
	Injectate Sampling and Analysis Plan	1	1	1	2.0	0.0	0.0	0.0	2	\$ 128	\$ -	\$ -	\$ 128
	Injectate Sampling and Analysis	3	4	12	2.0	0.0	0.5	0.0	30	\$ 1,711	\$ -	\$ 2,880	\$ 4,591
Reporting and Recordkeeping	Reporting	3	1	3	21.2	2.6	2.6	0.0	79	\$ 5,100	\$ -	\$ -	\$ 5,100
	Recordkeeping	3	1	3	6.2	0.8	0.8	0.0	23	\$ 1,500	\$ -	\$ -	\$ 1,500
	Totals	3	8	22	N/A	N/A	N/A	N/A	147	\$ 9,318	\$ -	\$ 2,880	\$ 12,198

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 Future DOE Saline Research and Development

ICR Activity	Sub Categories/Notes	Year 3											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	4	1	4	3.0	1.0	0.0	0.0	16	\$ 1,172	\$ -	\$ -	\$ 1,172
	Injectate Sampling and Analysis Plan	1	1	1	2.0	0.0	0.0	0.0	2	\$ 128	\$ -	\$ -	\$ 128
	Injectate Sampling and Analysis	4	4	16	2.0	0.0	0.5	0.0	40	\$ 2,282	\$ -	\$ 3,840	\$ 6,122
Reporting and Recordkeeping	Reporting	4	1	4	21.2	2.6	2.6	0.0	106	\$ 6,800	\$ -	\$ -	\$ 6,800
	Recordkeeping	4	1	4	6.2	0.8	0.8	0.0	31	\$ 2,000	\$ -	\$ -	\$ 2,000
	Totals	4	8	29	N/A	N/A	N/A	N/A	195	\$ 12,381	\$ -	\$ 3,840	\$ 16,221

Appendix A: Cost and Burden by Project Type
 Future DOE Saline Research and Development

ICR Activity	Sub Categories/Notes	Annual Average - 3 Year ICR Period											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	3.0	1.0	3.0	3.0	1.0	0.0	0.0	12	\$ 879	\$ -	\$ -	\$ 879
	Injectate Sampling and Analysis Plan	1.3	1.0	1.3	2.0	0.0	0.0	0.0	3	\$ 170	\$ -	\$ -	\$ 170
	Injectate Sampling and Analysis	3.0	4.0	12.0	2.0	0.0	0.5	0.0	30	\$ 1,711	\$ -	\$ 2,880	\$ 4,591
Reporting and Recodkeeping	Reporting	3.0	1.0	3.0	21.2	2.6	2.6	0.0	79	\$ 5,100	\$ -	\$ -	\$ 5,100
	Recordkeeping	3.0	1.0	3.0	6.2	0.8	0.8	0.0	23	\$ 1,500	\$ -	\$ -	\$ 1,500
	Totals	3.0	8.0	22.3	N/A	N/A	N/A	N/A	147	\$ 9,361	\$ -	\$ 2,880	\$ 12,241

Appendix A: Cost and Burden by Project Type
Known Commercial EOR Projects

ICR Activity	Sub Categories/Notes	Year 1											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Deep Monitoring Wells (into or right above injection zone)	Installation and Operation of Deep Monitoring Wells	0	8	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
CO2 Flow Meters on Producing Oil and Gas Wells	Installation and operation of CO2 flow meters	0	4	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Eddy covariance measurement from permanent towers to detect surface leaks.	Conduct Survey	0	0.25	0.00	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from accumulation chambers)	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to sample gas above water table.	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water table.	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0	0.01	0.00	160.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0	0.01	0.00	400.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0	1	0	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0	1	0	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0	4	0	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recodkeeping	Reporting	0	1	0	21.2	2.6	2.6	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0	1	0	6.2	0.8	0.8	0.0	0	\$ -	\$ -	\$ -	\$ -
Totals		0	29	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Known Commercial EOR Projects

ICR Activity	Sub Categories/Notes	Year 2											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Deep Monitoring Wells (into or right above injection zone)	Installation and Operation of Deep Monitoring Wells	0	8	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
CO2 Flow Meters on Producing Oil and Gas Wells	Installation and operation of CO2 flow meters	0	4	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Eddy covariance measurement from permanent towers to detect surface leaks.	Conduct Survey	0	0.25	0.00	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from accumulation chambers)	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to sample gas above water table.	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water table.	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0	0.01	0.00	160.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0	0.01	0.00	400.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0	1	0	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0	1	0	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0	4	0	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recordkeeping	Reporting	0	1	0	21.2	2.6	2.6	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0	1	0	6.2	0.8	0.8	0.0	0	\$ -	\$ -	\$ -	\$ -
Totals		0	29	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Known Commercial EOR Projects

ICR Activity	Sub Categories/Notes	Year 3											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Deep Monitoring Wells (into or right above injection zone)	Installation and Operation of Deep Monitoring Wells	0	8	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
CO2 Flow Meters on Producing Oil and Gas Wells	Installation and operation of CO2 flow meters	0	4	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Eddy covariance measurement from permanent towers to detect surface leaks.	Conduct Survey	0	0.25	0.00	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from accumulation chambers)	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to sample gas above water table.	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water table.	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0	0.01	0.00	160.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0	0.01	0.00	400.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0	1	0	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0	1	0	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0	4	0	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recodkeeping	Reporting	0	1	0	21.2	2.6	2.6	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0	1	0	6.2	0.8	0.8	0.0	0	\$ -	\$ -	\$ -	\$ -
Totals		0	29	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Known Commercial EOR Projects

ICR Activity	Sub Categories/Notes	Annual Average - 3 Year ICR Period											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Deep Monitoring Wells (into or right above injection zone)	Installation and Operation of Deep Monitoring Wells	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
CO2 Flow Meters on Producing Oil and Gas Wells	Installation and operation of CO2 flow meters	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	Planning and QA	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	Planning and QA	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Eddy covariance measurement from permanent towers to detect surface leaks.	Conduct Survey	0.0	0.25	0.00	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from accumulation chambers)	Planning	0.0	1.0	0.0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to sample gas above water table.	Planning	0.0	1.0	0.0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water table.	Planning	0.0	1.0	0.0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0.0	0.01	0.00	160.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0.0	0.01	0.00	400.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0.0	1.0	0.0	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0.0	4.0	0.0	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recodkeeping	Reporting	0.0	1.0	0.0	21.2	2.6	2.6	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0.0	1.0	0.0	6.2	0.8	0.8	0.0	0	\$ -	\$ -	\$ -	\$ -
Totals		0.0	29.3	0.0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Known Commercial Saline Projects

ICR Activity	Sub Categories/Notes	Year 1											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Estimation of Fugitive Emission from Surface Facilities	Planning and initial inventory	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Annual calculations	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	Planning and QA	0	0.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	Planning and QA	0	0.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from accumulation chambers)	Planning	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to sample gas above water table.	Planning	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water table.	Planning	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0	0.00	0.00	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0	0.00	0.00	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0	1	0	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0	1	0	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0	4	0	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recodkeeping	Reporting	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Totals	0	6	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Known Commercial Saline Projects

ICR Activity	Sub Categories/Notes	Year 2											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Estimation of Fugitive Emission from Surface Facilities	Planning and initial inventory	1	1	1	40.0	0.0	0.0	0.0	40	\$ 4,289	\$ -	\$ -	\$ 4,289
	Annual calculations	1	1	1	24.0	0.0	0.0	0.0	24	\$ 2,574	\$ -	\$ -	\$ 2,574
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	Planning and QA	1	0.5	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 69,600	\$ 69,600
	Mobilization	1	0.5	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 3,000	\$ 3,000
	Airborne Survey	1	0.5	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 43,500	\$ 43,500
Periodic LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	Planning and QA	1	0.5	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 66,000	\$ 66,000
	Mobilization	1	0.5	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 3,000	\$ 3,000
	Airborne Survey	1	0.5	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 41,250	\$ 41,250
Soil zone monitoring (sampling gas from accumulation chambers)	Planning	1	1	1	40.0	0.0	0.0	0.0	40	\$ 4,289	\$ 7,884	\$ -	\$ 12,173
	Sampling and Analysis	1	1	1	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 4,176	\$ 4,176
Vadose zone monitoring wells to sample gas above water table.	Planning	1	1	1	40.0	0.0	0.0	0.0	40	\$ 4,289	\$ 10,512	\$ -	\$ 14,801
	Sampling and Analysis	1	1	1	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 4,176	\$ 4,176
Monitoring wells for samples from water table.	Planning	1	1	1	40.0	0.0	0.0	0.0	40	\$ 4,289	\$ 105,116	\$ -	\$ 109,405
	Sampling and Analysis	1	1	1	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 16,704	\$ 16,704
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	1	0.01	0.01	160.0	0.0	0.0	0.0	2	\$ 177	\$ -	\$ 1,200	\$ 1,377
	Surface leak detected by air, soil or water table monitoring	1	0.01	0.01	400.0	0.0	0.0	0.0	4	\$ 408	\$ -	\$ 60	\$ 468
Monitoring	CO2 Flow Meter Data Collection	1	1	1	3.0	1.0	0.0	0.0	4	\$ 293	\$ -	\$ -	\$ 293
	Injectate Sampling and Analysis Plan	1	1	1	2.0	0.0	0.0	0.0	2	\$ 128	\$ -	\$ -	\$ 128
	Injectate Sampling and Analysis	1	4	4	2.0	0.0	0.5	0.0	10	\$ 714	\$ -	\$ 960	\$ 1,674
Reporting and Recodkeeping	Reporting	1	1	1	21.2	2.6	2.6	0.0	26	\$ 1,700	\$ -	\$ -	\$ 1,700
	Recordkeeping	1	1	1	6.2	0.8	0.8	0.0	8	\$ 500	\$ -	\$ -	\$ 500
	Totals	1	19	19	N/A	N/A	N/A	N/A	240	\$ 23,650	\$ 123,511	\$ 253,626	\$ 400,788

Appendix A: Cost and Burden by Project Type
Known Commercial Saline Projects

ICR Activity	Sub Categories/Notes	Year 3											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Estimation of Fugitive Emission from Surface Facilities	Planning and initial inventory	1	1	1	40.0	0.0	0.0	0.0	40	\$ 4,289	\$ -	\$ -	\$ 4,289
	Annual calculations	2	1	2	24.0	0.0	0.0	0.0	48	\$ 5,147	\$ -	\$ -	\$ 5,147
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	Planning and QA	2	0.5	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 139,200	\$ 139,200
	Mobilization	2	0.5	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 6,000	\$ 6,000
	Airborne Survey	2	0.5	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 87,000	\$ 87,000
Periodic LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	Planning and QA	2	0.5	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 132,000	\$ 132,000
	Mobilization	2	0.5	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 6,000	\$ 6,000
	Airborne Survey	2	0.5	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 82,500	\$ 82,500
Soil zone monitoring (sampling gas from accumulation chambers)	Planning	2	1	2	40.0	0.0	0.0	0.0	40	\$ 4,289	\$ 15,767	\$ -	\$ 20,057
	Sampling and Analysis	2	1	2	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 8,352	\$ 8,352
Vadose zone monitoring wells to sample gas above water table.	Planning	2	1	2	40.0	0.0	0.0	0.0	40	\$ 4,289	\$ 21,023	\$ -	\$ 25,312
	Sampling and Analysis	2	1	2	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 8,352	\$ 8,352
Monitoring wells for samples from water table.	Planning	2	1	2	40.0	0.0	0.0	0.0	40	\$ 4,289	\$ 210,232	\$ -	\$ 214,521
	Sampling and Analysis	2	1	2	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 33,408	\$ 33,408
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	2	0.01	0.02	160.0	0.0	0.0	0.0	3	\$ 354	\$ -	\$ 2,400	\$ 2,754
	Surface leak detected by air, soil or water table monitoring	2	0.01	0.02	400.0	0.0	0.0	0.0	8	\$ 817	\$ -	\$ 120	\$ 937
Monitoring	CO2 Flow Meter Data Collection	2	1	2	3.0	1.0	0.0	0.0	8	\$ 586	\$ -	\$ -	\$ 586
	Injectate Sampling and Analysis Plan	1	1	1	2.0	0.0	0.0	0.0	2	\$ 128	\$ -	\$ -	\$ 128
	Injectate Sampling and Analysis	2	4	8	2.0	0.0	0.5	0.0	20	\$ 1,427	\$ -	\$ 1,920	\$ 3,347
Reporting and Recodkeeping	Reporting	2	1	2	21.2	2.6	2.6	0.0	53	\$ 3,400	\$ -	\$ -	\$ 3,400
	Recordkeeping	2	1	2	6.2	0.8	0.8	0.0	16	\$ 1,000	\$ -	\$ -	\$ 1,000
Totals		2	19	36	N/A	N/A	N/A	N/A	318	\$ 30,016	\$ 247,023	\$ 507,252	\$ 784,291

Appendix A: Cost and Burden by Project Type
Known Commercial Saline Projects

ICR Activity	Sub Categories/Notes	Annual Average - 3 Year ICR Period											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Estimation of Fugitive Emission from Surface Facilities	Planning and initial inventory	0.7	0.7	0.7	26.7	0.0	0.0	0.0	27	\$ 2,859	\$ -	\$ -	\$ 2,859
	Annual calculations	1.0	0.7	1.0	16.0	0.0	0.0	0.0	24	\$ 2,574	\$ -	\$ -	\$ 2,574
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	Planning and QA	1.0	0.3	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 69,600	\$ 69,600
	Mobilization	1.0	0.3	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 3,000	\$ 3,000
	Airborne Survey	1.0	0.3	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 43,500	\$ 43,500
Periodic LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	Planning and QA	1.0	0.3	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 66,000	\$ 66,000
	Mobilization	1.0	0.3	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 3,000	\$ 3,000
	Airborne Survey	1.0	0.3	0.5	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 41,250	\$ 41,250
Soil zone monitoring (sampling gas from accumulation chambers)	Planning	1.0	0.7	1.0	26.7	0.0	0.0	0.0	27	\$ 2,859	\$ 7,884	\$ -	\$ 10,743
	Sampling and Analysis	1.0	0.7	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 4,176	\$ 4,176
Vadose zone monitoring wells to sample gas above water table.	Planning	1.0	0.7	1.0	26.7	0.0	0.0	0.0	27	\$ 2,859	\$ 10,512	\$ -	\$ 13,371
	Sampling and Analysis	1.0	0.7	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 4,176	\$ 4,176
Monitoring wells for samples from water table.	Planning	1.0	0.7	1.0	26.7	0.0	0.0	0.0	27	\$ 2,859	\$ 105,116	\$ -	\$ 107,975
	Sampling and Analysis	1.0	0.7	1.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ 16,704	\$ 16,704
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	1.0	0.01	0.01	106.7	0.0	0.0	0.0	2	\$ 177	\$ -	\$ 1,200	\$ 1,377
	Surface leak detected by air, soil or water table monitoring	1.0	0.01	0.01	266.7	0.0	0.0	0.0	4	\$ 408	\$ -	\$ 60	\$ 468
Monitoring	CO2 Flow Meter Data Collection	1.0	1.0	1.0	3.0	1.0	0.0	0.0	4	\$ 293	\$ -	\$ -	\$ 293
	Injectate Sampling and Analysis Plan	0.7	1.0	0.7	2.0	0.0	0.0	0.0	1	\$ 85	\$ -	\$ -	\$ 85
	Injectate Sampling and Analysis	1.0	4.0	4.0	2.0	0.0	0.5	0.0	10	\$ 714	\$ -	\$ 960	\$ 1,674
Reporting and Recodkeeping	Reporting	1.0	0.7	1.0	14.1	1.8	1.8	0.0	26	\$ 1,700	\$ -	\$ -	\$ 1,700
	Recordkeeping	1.0	0.7	1.0	4.2	0.5	0.5	0.0	8	\$ 500	\$ -	\$ -	\$ 500
	Totals	1.0	14.7	18.4	N/A	N/A	N/A	N/A	186	\$ 17,889	\$ 123,511	\$ 253,626	\$ 395,026

Appendix A: Cost and Burden by Project Type
Conversion of EOR Projects

ICR Activity	Sub Categories/Notes	Year 1											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Deep Monitoring Wells (into or right above injection zone)	Installation and Operation of Deep Monitoring Wells	0	8	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
CO2 Flow Meters on Producing Oil and Gas Wells	Installation and operation of CO2 flow meters	0	4	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Eddy covariance measurement from permanent towers to detect surface leaks.	Conduct Survey	0	0.25	0.00	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0	0.01	0.00	160.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0	0.01	0.00	400.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0	1.00	0.00	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0	1.00	0.00	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0	4.00	0.00	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recodkeeping	Reporting	0	1	0	21.2	2.6	2.6	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0	1	0	6.2	0.8	0.8	0.0	0	\$ -	\$ -	\$ -	\$ -
Totals		0	29	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Conversion of EOR Projects

ICR Activity	Sub Categories/Notes	Year 2											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Deep Monitoring Wells (into or right above injection zone)	Installation and Operation of Deep Monitoring Wells	0	8	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
CO2 Flow Meters on Producing Oil and Gas Wells	Installation and operation of CO2 flow meters	0	4	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Eddy covariance measurement from permanent towers to detect surface leaks.	Conduct Survey	0	0.25	0.00	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0	0.01	0.00	160.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0	0.01	0.00	400.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0	1.00	0.00	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0	1.00	0.00	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0	4.00	0.00	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recodkeeping	Reporting	0	1	0	21.2	2.6	2.6	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0	1	0	6.2	0.8	0.8	0.0	0	\$ -	\$ -	\$ -	\$ -
Totals		0	29	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Conversion of EOR Projects

ICR Activity	Sub Categories/Notes	Year 3											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Deep Monitoring Wells (into or right above injection zone)	Installation and Operation of Deep Monitoring Wells	0	8	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
CO2 Flow Meters on Producing Oil and Gas Wells	Installation and operation of CO2 flow meters	0	4	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where	Planning and QA	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Eddy covariance measurement from permanent towers to detect surface leaks.	Conduct Survey	0	0.25	0.00	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water	Planning	0	1	0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0	1	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0	0.01	0.00	160.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0	0.01	0.00	400.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0	1.00	0.00	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0	1.00	0.00	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0	4.00	0.00	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recodkeeping	Reporting	0	1	0	21.2	2.6	2.6	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0	1	0	6.2	0.8	0.8	0.0	0	\$ -	\$ -	\$ -	\$ -
Totals		0	29	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Conversion of EOR Projects

ICR Activity	Sub Categories/Notes	Annual Average - 3 Year ICR Period											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Deep Monitoring Wells (into or right above injection zone)	Installation and Operation of Deep Monitoring Wells	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
CO2 Flow Meters on Producing Oil and Gas Wells	Installation and operation of CO2 flow meters	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic Digital Color Infrared Orthoimagery (CIR) or Hyperspectral	Planning and QA	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Periodic LIDAR airborne survey to detect surface leaks. Works best where	Planning and QA	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Mobilization	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Airborne Survey	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Eddy covariance measurement from permanent towers to detect surface leaks.	Conduct Survey	0.0	0.25	0.00	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Soil zone monitoring (sampling gas from	Planning	0.0	1.0	0.0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Vadose zone monitoring wells to	Planning	0.0	1.0	0.0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring wells for samples from water	Planning	0.0	1.0	0.0	40.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Sampling and Analysis	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Cost of Episodic Surveys to Quantify Leaks	Surface leak detected by air, soil or water table monitoring.	0.0	0.01	0.00	160.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Surface leak detected by air, soil or water table monitoring	0.0	0.01	0.00	400.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
Monitoring	CO2 Flow Meter Data Collection	0.0	1.00	0.00	3.0	1.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis Plan	0.0	1.00	0.00	2.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	0.0	4.00	0.00	2.0	0.0	0.5	0.0	0	\$ -	\$ -	\$ -	\$ -
Reporting and Recodkeeping	Reporting	0.0	1.0	0.0	21.2	2.6	2.6	0.0	0	\$ -	\$ -	\$ -	\$ -
	Recordkeeping	0.0	1.0	0.0	6.2	0.8	0.8	0.0	0	\$ -	\$ -	\$ -	\$ -
Totals		0.0	29.3	0.0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -

Appendix A: Cost and Burden by Project Type
Class II EOR Projects

ICR Activity	Sub Categories/Notes	Year 1											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	80	1	80	3.0	1.0	0.0	0.0	320	\$ 23,438	\$ -	\$ -	\$ 23,438
	Injectate Sampling and Analysis Plan	80	1	80	2.0	0.0	0.0	0.0	160	\$ 10,222	\$ -	\$ -	\$ 10,222
	Injectate Sampling and Analysis	80	4	320	2.0	0.0	0.5	0.0	800	\$ 45,634	\$ -	\$ 76,800	\$ 122,434
Reporting and Recodkeeping	Reporting	80	1	80	21.2	2.6	2.6	0.0	2,118	\$ 136,000	\$ -	\$ -	\$ 136,000
	Recordkeeping	80	1	80	6.2	0.8	0.8	0.0	623	\$ 40,000	\$ -	\$ -	\$ 40,000
	Totals	80	8	640	N/A	N/A	N/A	N/A	4,021	\$ 255,294	\$ -	\$ 76,800	\$ 332,094

Appendix A: Cost and Burden by Project Type
Class II EOR Projects

ICR Activity	Sub Categories/Notes	Year 2											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	80	1	80	3.0	1.0	0.0	0.0	320	\$ 23,438	\$ -	\$ -	\$ 23,438
	Injectate Sampling and Analysis Plan	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	80	4	320	2.0	0.0	0.5	0.0	800	\$ 45,634	\$ -	\$ 76,800	\$ 122,434
Reporting and Recordkeeping	Reporting	80	1	80	21.2	2.6	2.6	0.0	2,118	\$ 136,000	\$ -	\$ -	\$ 136,000
	Recordkeeping	80	1	80	6.2	0.8	0.8	0.0	623	\$ 40,000	\$ -	\$ -	\$ 40,000
	Totals	80	7	560	N/A	N/A	N/A	N/A	3,861	\$ 245,072	\$ -	\$ 76,800	\$ 321,872

Appendix A: Cost and Burden by Project Type
Class II EOR Projects

ICR Activity	Sub Categories/Notes	Year 3											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	80	1	80	3.0	1.0	0.0	0.0	320	\$ 23,438	\$ -	\$ -	\$ 23,438
	Injectate Sampling and Analysis Plan	0	0	0	0.0	0.0	0.0	0.0	0	\$ -	\$ -	\$ -	\$ -
	Injectate Sampling and Analysis	80	4	320	2.0	0.0	0.5	0.0	800	\$ 45,634	\$ -	\$ 76,800	\$ 122,434
Reporting and Recodkeeping	Reporting	80	1	80	21.2	2.6	2.6	0.0	2,118	\$ 136,000	\$ -	\$ -	\$ 136,000
	Recordkeeping	80	1	80	6.2	0.8	0.8	0.0	623	\$ 40,000	\$ -	\$ -	\$ 40,000
	Totals	80	7	560	N/A	N/A	N/A	N/A	3,861	\$ 245,072	\$ -	\$ 76,800	\$ 321,872

Appendix A: Cost and Burden by Project Type
Class II EOR Projects

ICR Activity	Sub Categories/Notes	Annual Average - 3 Year ICR Period											
		# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Tech (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Monitoring	CO2 Flow Meter Data Collection	80.0	1.0	80.0	3.0	1.0	0.0	0.0	320	\$ 23,438	\$ -	\$ -	\$ 23,438
	Injectate Sampling and Analysis Plan	26.7	0.3	26.7	0.7	0.0	0.0	0.0	53	\$ 3,407	\$ -	\$ -	\$ 3,407
	Injectate Sampling and Analysis	80.0	4.0	320.0	2.0	0.0	0.5	0.0	800	\$ 45,634	\$ -	\$ 76,800	\$ 122,434
Reporting and Recodkeeping	Reporting	80.0	1.0	80.0	21.2	2.6	2.6	0.0	2,118	\$ 136,000	\$ -	\$ -	\$ 136,000
	Recordkeeping	80.0	1.0	80.0	6.2	0.8	0.8	0.0	623	\$ 40,000	\$ -	\$ -	\$ 40,000
	Totals	80.0	7.3	586.7	N/A	N/A	N/A	N/A	3,914	\$ 248,479	\$ -	\$ 76,800	\$ 325,279

Appendix A: Cost and Burden by Project Type
Summary: All Project Types

Source Category	Year 1											
	# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Technical (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Known DOE EOR Pilot Projects	1	Varies	8	N/A	N/A	N/A	N/A	50	\$ 3,191	\$ -	\$ 960	\$ 4,151
Known DOE Saline Pilot Projects	6	Varies	48	N/A	N/A	N/A	N/A	302	\$ 19,147	\$ -	\$ 5,760	\$ 24,907
Future DOE Saline Pilot Projects	2	Varies	16	N/A	N/A	N/A	N/A	101	\$ 6,382	\$ -	\$ 1,920	\$ 8,302
Subtotal: DOE Pilot Projects	9	Varies	72	N/A	N/A	N/A	N/A	452	\$ 28,721	\$ -	\$ 8,640	\$ 37,361
Known Commercial EOR Projects	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Known Commercial Saline Projects	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Conversion of Existing EOR Projects to GS	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Class II EOR Projects	80	Varies	640	N/A	N/A	N/A	N/A	4,021	\$ 255,294	\$ -	\$ 76,800	\$ 332,094
Subtotal: Private Projects	80	Varies	640	N/A	N/A	N/A	N/A	4,021	\$ 255,294	\$ -	\$ 76,800	\$ 332,094
Total of All Projects	89	Varies	712	N/A	N/A	N/A	N/A	4,473	\$ 284,015	\$ -	\$ 85,440	\$ 369,455

Appendix A: Cost and Burden by Project Type
Summary: All Project Types

Source Category	Year 2											
	# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Technical (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Known DOE EOR Pilot Projects	1	Varies	7	N/A	N/A	N/A	N/A	48	\$ 3,063	\$ -	\$ 960	\$ 4,023
Known DOE Saline Pilot Projects	4	Varies	28	N/A	N/A	N/A	N/A	193	\$ 12,254	\$ -	\$ 3,840	\$ 16,094
Future DOE Saline Pilot Projects	3	Varies	22	N/A	N/A	N/A	N/A	147	\$ 9,318	\$ -	\$ 2,880	\$ 12,198
Subtotal: DOE Pilot Projects	8	Varies	57	N/A	N/A	N/A	N/A	388	\$ 24,635	\$ -	\$ 7,680	\$ 32,315
Known Commercial EOR Projects	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Known Commercial Saline Projects	1	Varies	19	N/A	N/A	N/A	N/A	240	\$ 23,650	\$ 123,511	\$ 253,626	\$ 400,788
Conversion of Existing EOR Projects to GS	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Class II EOR Projects	80	Varies	560	N/A	N/A	N/A	N/A	3,861	\$ 245,072	\$ -	\$ 76,800	\$ 321,872
Subtotal: Private Projects	81	Varies	579	N/A	N/A	N/A	N/A	4,101	\$ 268,722	\$ 123,511	\$ 330,426	\$ 722,660
Total of All Projects	89	Varies	636	N/A	N/A	N/A	N/A	4,489	\$ 293,357	\$ 123,511	\$ 338,106	\$ 754,975

Appendix A: Cost and Burden by Project Type
 Summary: All Project Types

Source Category	Year 3											
	# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Technical (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Known DOE EOR Pilot Projects	1	Varies	7	N/A	N/A	N/A	N/A	48	\$ 3,063	\$ -	\$ 960	\$ 4,023
Known DOE Saline Pilot Projects	3	Varies	21	N/A	N/A	N/A	N/A	145	\$ 9,190	\$ -	\$ 2,880	\$ 12,070
Future DOE Saline Pilot Projects	4	Varies	29	N/A	N/A	N/A	N/A	195	\$ 12,381	\$ -	\$ 3,840	\$ 16,221
Subtotal: DOE Pilot Projects	8	Varies	57	N/A	N/A	N/A	N/A	388	\$ 24,635	\$ -	\$ 7,680	\$ 32,315
Known Commercial EOR Projects	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Known Commercial Saline Projects	2	Varies	36	N/A	N/A	N/A	N/A	318	\$ 30,016	\$ 247,023	\$ 507,252	\$ 784,291
Conversion of Existing EOR Projects to GS	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Class II EOR Projects	80	Varies	560	N/A	N/A	N/A	N/A	3,861	\$ 245,072	\$ -	\$ 76,800	\$ 321,872
Subtotal: Private Projects	82	Varies	596	N/A	N/A	N/A	N/A	4,179	\$ 275,088	\$ 247,023	\$ 584,052	\$ 1,106,163
Total of All Projects	90	Varies	653	N/A	N/A	N/A	N/A	4,567	\$ 299,723	\$ 247,023	\$ 591,732	\$ 1,138,478

Appendix A: Cost and Burden by Project Type
Summary: All Project Types

Source Category	Annual Average - 3 year ICR Period											
	# Respondents	Responses/ Respondent	Total Responses	Burden per Response - Technical (hrs)	Burden per Response - Manager (hrs)	Burden per Response - Clerical (hrs)	Burden per Response - Other (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Capital Cost (\$)	O&M Cost (\$)	Total Cost (\$)
Known DOE EOR Pilot Projects	1	Varies	7	N/A	N/A	N/A	N/A	49	\$ 3,106	\$ -	\$ 960	\$ 4,066
Known DOE Saline Pilot Projects	4	Varies	32	N/A	N/A	N/A	N/A	213	\$ 13,530	\$ -	\$ 4,160	\$ 17,690
Future DOE Saline Pilot Projects	3	Varies	22	N/A	N/A	N/A	N/A	147	\$ 9,361	\$ -	\$ 2,880	\$ 12,241
Subtotal: DOE Pilot Projects	8	Varies	62	N/A	N/A	N/A	N/A	410	\$ 25,997	\$ -	\$ 8,000	\$ 33,997
Known Commercial EOR Projects	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Known Commercial Saline Projects	1	Varies	18	N/A	N/A	N/A	N/A	186	\$ 17,889	\$ 123,511	\$ 253,626	\$ 395,026
Conversion of Existing EOR Projects to GS	0	Varies	0	N/A	N/A	N/A	N/A	0	\$ -	\$ -	\$ -	\$ -
Class II EOR Projects	80	Varies	587	N/A	N/A	N/A	N/A	3,914	\$ 248,479	\$ -	\$ 76,800	\$ 325,279
Subtotal: Private Projects	81	Varies	605	N/A	N/A	N/A	N/A	4,100	\$ 266,368	\$ 123,511	\$ 330,426	\$ 720,306
Total of All Projects	89	Varies	667	N/A	N/A	N/A	N/A	4,510	\$ 292,365	\$ 123,511	\$ 338,426	\$ 754,302