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 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	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 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	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 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	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 Recodkeeping	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 Recodkeeping	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 Recodkeeping	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 Recodkeeping	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 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	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 Recodkeeping	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

Appendix A: Cost and Burden by Project Type
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 Recodkeeping	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 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 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

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	$ -	$ -	$ -	$ -

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	$ -	$ -	$ -	$ -

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	$ -	$ -	$ -	$ -

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 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	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 Exisiting 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 Exisiting 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 Exisiting 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 Exisiting 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**