



**Information Collection
Request for the Federal
Requirements under the
Underground Injection
Control Program for
Carbon Dioxide Geological
Sequestration Wells**

Office of Water (4606M)
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ACRONYMS

AoR	Area of Review
CO ₂	Carbon Dioxide
CBI	Confidential Business Information
DOE	United States Department of Energy
EPA	United States Environmental Protection Agency
ER	Enhanced Recovery
FILS	Federal Information Locator System
FOIA	Freedom of Information Act
GS	Geologic Sequestration
GWPC	Ground Water Protection Council
ICR	Information Collection Request
IOGCC	Interstate Oil and Gas Compact Commission
MIT	Mechanical Integrity Testing
MOA	Memorandum of Agreement
NAICS	North American Industry Classification System
NIWG	National Indian Work Group
NODA	Notice of Data Availability and Request for Comment
NGO	Non-Governmental Organization
NTC	National Tribal Caucus
O&M	Operations and Maintenance
OGWDW	Office of Ground Water and Drinking Water
OMB	Office of Management and Budget
PISC	Post-Injection Site Care
PRA	Paperwork Reduction Act
RICS	EPA Regional Indian Coordinators
SDWA	Safe Drinking Water Act
T&C	Technology and Cost
TDS	Total Dissolved Solids
UIC	Underground Injection Control
USDWs	Underground Sources of Drinking Water

1 IDENTIFICATION OF THE INFORMATION COLLECTION

1(a) Title and Number of the Information Collection

Title: Information Collection Request for the Federal Requirements under the Underground Injection Control (UIC) Program for Carbon Dioxide Geologic Sequestration Wells (GS Rule)

OMB Control Number: 2040-0278
EPA Tracking Number: 2309.01

1(b) Short Characterization

The U.S. Environmental Protection Agency (EPA or the Agency) is promulgating federal requirements under the UIC program for carbon dioxide (CO₂) geologic sequestration (GS) wells. GS is the process of injecting CO₂ captured from an emission source (e.g., a power plant or industrial facility) into deep subsurface rock formations for long-term storage. It is part of a portfolio of options that could help reduce CO₂ emissions to the atmosphere and mitigate climate change. EPA's Office of Ground Water and Drinking Water (OGWDW) is promulgating a regulation that will require the collection of information to ensure a consistent approach to the permitting application and monitoring requirements for all CO₂ GS wells.

The GS Rule establishes a new class of injection well – Class VI – for GS projects based on the unique challenges of preventing potential endangerment to underground sources of drinking water (USDWs) from these operations. The GS Rule mandates technical criteria for geological site characterization; determination of the area of review (AoR) and corrective action; well construction and operation; mechanical integrity testing (MIT) and monitoring; and well plugging, post-injection site care (PISC) and site closure. The regulation is based on the existing Underground Injection Control (UIC) requirements found at 40 CFR Parts 144 through 148, with new requirements added to address the unique nature of CO₂ injection for GS. The purpose of the rulemaking is to assure that GS is conducted in a manner that protects USDWs. The rule will also help ensure consistent approaches to permitting GS operations across the United States.

Under the GS Rule, operators of GS wells must submit UIC permit applications, which contain extensive geologic data and other information, to demonstrate that a site is suitable for GS. Operators must also model the extent of the AoR, report on the status of corrective action on wells in the AoR, and report on pre-operational logging and testing before obtaining an injection permit. Throughout the injection project, operators will monitor the well and the site and submit data to the permitting authority on a semi-annual basis. At least every 5 years they will re-evaluate the AoR and update the AoR and Corrective Action Plan, as well as other plans as needed. Permit holders will be required to plug their injection well(s) and monitor the site for a default period of 50 years after injection has ended. Following PISC, operators would be required to demonstrate non-endangerment to USDWs. Once closure of the site is authorized, operators must close the site and submit a closure report.

States¹ applying for primacy to oversee Class VI wells will need to submit a primacy application as described in 40 CFR 145. Permitting authorities, which include states that obtain primacy enforcement responsibility (primacy) to implement the Class VI program, as well as EPA Regional offices that directly implement the Class VI program, will collect and review permit applications and geological data from operators; receive and review testing and monitoring data and updates to AoR and Corrective Action Plans throughout the injection phase; review plugging reports and post-injection monitoring reports; and eventually authorize site closure.

In the case where owners or operators seek a waiver from the requirement that Class VI wells inject below the lowermost USDW, owners or operators must submit a supplemental report demonstrating that such injection can be performed in a way that protects USDWs. EPA Regional offices (and Headquarters) will approve applications for waivers from the requirement to inject below the lowermost USDW, as well as review and approve Class VI primacy applications.

EPA assumes that the GS Rule will be promulgated in 2011; this information collection request (ICR) covers the 3-year period from 2011 through 2013. EPA assumes that 32 states will apply for primacy during that time. It is estimated that approximately two owners or operators of Class VI wells will apply for permits during the three-year ICR clearance period (or 0.6 owners or operators annually). Of these operators 1 are assumed to be located in states with primacy; 0.8 are assumed to be in a state where EPA directly implements the UIC Program. This assumption is based on the distribution of states that have primacy for other well classes, as described in Chapter 5 of EPA's *Cost Analysis for the Federal Requirements Under the Underground Injection Control Program for Carbon Dioxide Geologic Sequestration Wells*.

This ICR does not estimate the total burden associated with the reporting and recordkeeping requirements of the GS Rule. Instead, it calculates the incremental or net change in burden associated with any new requirements of the rule, compared to existing UIC requirements for Class I non-hazardous wells (the "baseline"). (Note to EPA: This draft of the ICR is based on the GS requirements as specified in the May 11, 2010 draft of the rule.)

EPA estimates that the owners and operators of GS wells will incur an average annual net change of 1,510 hours of respondent burden and \$0.2 million in labor costs annually responding to this information request. Annual capital and operations and maintenance (O&M) costs for operators are estimated to increase by \$ 5.8 million and \$3.2 million, respectively. The average annual net change cost for operators is \$9.3 million. In order to perform the activities associated with this ICR, EPA estimates that permitting authorities will incur an average annual net change of 11,241 hours of burden and \$0.6 million in total costs (all labor). Note, in this ICR, burden incurred by EPA Regions directly implementing the Class VI rule is combined with burden incurred by states to provide an overall burden for permitting authorities. Burden incurred by EPA Regions overseeing states' primacy programs and approving waiver applications is presented separately as EPA burden. The estimated EPA burden will increase by 5,123 hours and

¹ Reference to "States" includes Tribes and Territories.

\$0.3 million in total costs (all labor) annually. A summary of burden and cost associated with this ICR can be found in Exhibit 6.1a.

The net change burden and costs associated with complying with the rule beyond the first 3 years after rule promulgation are estimated in Appendix A. Note that these calculations are for informational purposes only and are not included in the burden for this ICR clearance period. Appendix B estimates the total burden and costs for the selected alternative; Appendix C estimates the total burden and costs for the baseline. These appendices are used to calculate the net change burden and costs presented in Appendix A.

This ICR was prepared in accordance with the November 2005 version of EPA's Guide to Writing Information Collection Requests Under the Paperwork Reduction Act (PRA) of 1995 (or "ICR Handbook") prepared by EPA's Office of Environmental Information, Office of Information Collection, Collection Strategies Division. The ICR Handbook provides the most current instructions for ICR preparation to ensure compliance with the 1995 PRA amendments and the Office of Management and Budget's (OMB) implementing guidelines.

2 NEED FOR AND USE OF COLLECTION

The following sections describe the need for this information collection and the legal authority under which this information will be collected.

2(a) Need/Authority for the Collection

EPA is promulgating the GS Rule to provide federal requirements for owners and operators of CO₂ GS wells to protect USDWs from potential contamination. EPA has authority to regulate the injection of fluids, including CO₂, into the subsurface under the Safe Drinking Water Act (SDWA) of 1974, as amended in 1986 and in 1996. The UIC Program, to which this regulation adds a sixth class of injection well, was promulgated under Part C of the SDWA. The information collected under the GS Rule is required by EPA to carry out its monitoring and enforcement responsibilities pertaining to UIC under the SDWA.

The GS Rule is based on the existing UIC regulatory framework found at 40 CFR Parts 144 through 148, with additional new requirements to address the unique nature of CO₂ injection for GS. The requirements are codified in a new Subpart H of 40 CFR Part 146. The GS Rule is also meant to provide regulatory certainty and permitting consistency for CO₂ GS projects.

The chief goal of any federally approved UIC Program is the protection of USDWs. This includes not only those aquifers that are presently being used for drinking water, but also those that can reasonably be expected to be used in the future. EPA has established through its UIC Program regulations that underground aquifers with less than 10,000 mg/L total dissolved solids (TDS) and containing a sufficient quantity of ground water to supply a public water system are USDWs.

Section 1421 of the SDWA requires EPA to propose and promulgate regulations specifying minimum requirements for effective state programs to prevent underground injection that endangers drinking water sources. Section 1421(b) (3)(A) of the Act also provides that EPA's UIC regulations shall "permit or provide for consideration of varying geologic, hydrological, or historical conditions in different states and in different areas within a state." EPA promulgated administrative and permitting regulations, now codified in 40 CFR parts 144 and 146, on May 19, 1980 (45 FR 33290), and technical requirements, in 40 CFR part 146, on June 24, 1980 (45 FR 42472). The regulations were subsequently amended on August 27, 1981 (46 FR 43156), February 3, 1982 (47 FR 4992), January 21, 1983 (48 FR 2938), April 1, 1983 (48 FR 14146), May 11, 1984 (49 FR 20138), July 26, 1988 (53 FR 28118), December 3, 1993 (58 FR 63890), June 10, 1994 (59 FR 29958), December 14, 1994 (59 FR 64339), June 29, 1995 (60 FR 33926), December 7, 1999 (64 FR 68546), May 15, 2000 (65 FR 30886), June 7, 2002 (67 FR 39583), and November 22, 2005 (70 FR 70513).

2(b) Use/Users of the Data

Owners and operators of CO₂ injection wells will use information collected in preparing their permit applications and associated plans and reports (including the Testing and Monitoring Plan, AoR and Corrective Action Plan, Injection Well Plugging Plan, PISC and Site Closure

Plan, and Emergency and Remedial Response Plan) to construct, operate, and close their injection well sites. They will use the data they collect to determine whether they are complying with permit conditions and to determine whether corrective action or operational adjustments are needed. They will also use ambient monitoring data to detect whether the CO₂ plume has migrated outside of the injection zone.

Permitting authorities will use the operator-submitted permit applications and associated plans and reports (including the Testing and Monitoring Plan, AoR and Corrective Action Plan, Injection Well Plugging Plan, PISC and Site Closure Plan, and Emergency and Remedial Response Plan) to determine whether a proposed site is suitable for CO₂ GS, whether the proposed well meets the criteria specified in the GS Rule, and whether a permit should be granted. They will use demonstrations of financial responsibility to ensure that the owner or operator is able to pay for operation and any remediation that may be required. Permitting authorities will review testing and monitoring reports as well as periodic AoR re-evaluations and plans to make sure that Class VI injection wells are in compliance and that no fluid movement into or endangerment to USDWs has occurred. Permitting authorities will use reports submitted during PISC to assure that the CO₂ plume has not moved beyond the confining zone and is not endangering USDWs, and before site closure is authorized the CO₂ plume has stabilized and poses no threat to USDWs.

EPA will review the state applications for Class VI primacy and determine if the proposed state UIC Class VI program can be implemented in a manner that protects USDWs before approving the program.

3 NON-DUPLICATION, CONSULTATIONS, AND OTHER COLLECTION CRITERIA

3(a) Non-duplication

EPA has searched the Federal Information Locator System (FILS) in an effort to ensure nonduplication of the data collection efforts. To the best of the Agency's knowledge, data currently required by the GS Rule are not available from any other source.²

3(b) Public Notice Required Prior to ICR Submission to OMB

As part of the Federal Register notice on the proposed GS Rule, EPA solicited comments on this information collection and the estimates in this ICR. EPA solicited comments on specific aspects of the proposed information collection, as described below:

- 1) Whether the collection of information is necessary for the proper performance of the functions of the Agency, including whether the information will have practical utility;
- 2) Whether the Agency's burden estimate is accurate including the validity of the methodology and assumptions used;
- 3) How to enhance the quality, utility, and clarity of the information to be collected; and
- 4) How to minimize the burden on respondents, including use of appropriate automated electronic, mechanical, or other technological collection techniques or other forms of information technology.

EPA did not receive comments that specifically referred to the ICR prepared for the proposed rule; however, it received several comments (such as the need to increase unit costs) on the associated cost analysis, as well as the technology and cost (T&C) document (which contains many of the unit costs used to estimate costs for the cost analysis and the ICR). For the final rule, EPA revised many of the unit costs to incorporate those comments; these changes have been incorporated into this ICR. For example, EPA increased the cost associated with seismic surveys conducted as part of site characterization by 30 percent, the labor burden for preparing semi-annual reports by 25 percent, and the loaded labor rates for geologists and engineers preparing permit applications by approximately 75 percent.

EPA's responses to comments received on the proposed rule are available at <http://www.regulations.gov>, docket number EPA-HQ-OW-2008-0390.

In compliance with the PRA (44 USC 3501 *et seq.*), EPA submitted the ICR for the GS Rule to OMB for review and approval prior to proposal. EPA did not receive any comments from OMB on the ICR at that time.

² Simultaneous development of the Mandatory Reporting of Greenhouse Gases: Injection and Geologic Sequestration of CO₂ Rule (Subpart RR) and the proposed GS Rule is being coordinated by EPA, with close consideration for potential overlaps in reporting and recordkeeping requirements. Based on the coordinated rule making efforts, EPA is minimizing the potential overlap in reporting and recordkeeping requirements to owners and operators of wells that may be required to report and record information under both rules.

3(c) Consultations

As described in the previous section, the burden and costs estimated in this ICR are based on the T&C document developed for the GS Rule, which was informed by states, U.S. Department of Energy (DOE), and public comment. Prior to proposal, the costs in the T&C document were reviewed by members of the EPA regulatory workgroup, which included four states and the DOE that developed the regulation. For the final rule, EPA revised the T&C document to reflect public comments, as described in the previous section. In addition, throughout the rulemaking process, the Agency conducted public workshops and public hearings, held consultations with specific groups, and attended meetings to ensure transparency and facilitate communication with the public and stakeholder groups interested in GS technologies, deployment, and associated technical and regulatory issues.

As part of its outreach, EPA conducted public hearings with participants from industry, environmental groups, utilities, academia, states, and the general public. Two separate public hearings were held on the proposed GS Rule in September and October 2008, respectively. Additionally, a public hearing to solicit public comment on the Notice of Data Availability and Request for Comment (NODA) was held in September 2009. Two workshops were also held in December 2007 and February 2008. Summaries are available on EPA's web site, at http://www.epa.gov/safewater/uic/wells_sequestration.html.

EPA also coordinated with the Ground Water Protection Council (GWPC), a state association that focuses on ensuring safe application of injection well technology and protecting ground water resources, and the Interstate Oil and Gas Compact Commission (IOGCC), a chartered state association representing oil and gas producing states. Members of IOGCC have specific expertise regulating the injection of CO₂ for the enhanced recovery of oil and gas in depleted oil and gas reservoirs. EPA staff attended national meetings and calls of these organizations, as well as those held by technical and trade organizations, NGOs, states, and Tribal organizations, to discuss the rulemaking process and GS-specific technical issues.

In April of 2008, prior to publication of the proposed rule and during development of the final rule, the Agency consulted with all Federally-recognized Indian Tribes and invited participation in a dedicated GS consultation effort. The EPA Regional Indian Coordinators (RICS), National Indian Workgroup (NIWG), National Tribal Caucus (NTC) and the National Tribal Water Council contacts were also invited to participate in the consultation. EPA provided additional rulemaking updates after publication of the proposal with the above-mentioned groups as well as the National Water Program State and Tribal Climate Change Council. The Fort Peck Assiniboine & Sioux Tribes and the Navajo Nation received UIC Program primacy for the Class II program (under section 1425 of the SDWA) during the proposal period for this rule. Therefore, the Agency initiated an additional consultation effort with these Tribal co-regulators post-proposal. Documentation of these meetings is available in the Rulemaking docket.

3(d) Effects of Less Frequent Collection

The testing and monitoring frequencies for some requirements under the GS Rule will be established as permit conditions; others, including MITs, are established by regulation. The GS

Rule will require other parameters to be monitored continuously. These monitoring frequencies are based on existing UIC Program regulations for other well classes. EPA believes that the monitoring and reporting frequencies established in the GS Rule are the minimum necessary to ensure that any leakage would be detected.

3(e) General Guidelines

The GS Rule complies with the guidelines (5 CFR 1320.5(d)(2)) implemented under the PRA, with some exceptions. One exception is that it requires a response to a request for information in less than 30 days, in opposition to the PRA guidelines. Specifically, the GS Rule requires notification of the permitting authority within 24 hours if a well loses mechanical integrity or if injection may cause endangerment to a USDW. This is consistent with notification requirements for permitted wells under existing UIC regulations. The other exceptions are that many recordkeeping requirements are longer than PRA guidelines. This longer period reflects current UIC Program practices consistent with the time frame associated with the operational and post-operational requirements for Class VI injection wells.

3(f) Confidentiality

Owners and operators of injection wells may claim confidentiality on certain information provided in the proposed Class VI injection well permit application, as provided in existing regulations in 40 CFR 144.5, *Confidentiality of Information*. If confidentiality is requested, the confidential information is treated in accordance with the provisions of 40 CFR 2, *Public Information*. Any confidentiality claim must be made at the time of Class VI injection well permit application submission in the manner prescribed by the application form or its instructions. In the case of other submissions, respondents may claim confidentiality by stamping the words “confidential business information” (CBI) on each page containing such information. Claims of confidentiality for the following information will be denied:

- The name and address of any permit applicant or permittee;
- Information regarding the existence, absence, or level of contaminants in drinking water.

Information collected under this ICR is intended for the Agency’s and/or state’s internal use and there are no plans to routinely release or publish any of the data. However, if no claim of confidentiality is made at the time of submission, the information can be made available to the public without further notice. Also, all information that is not deemed to be confidential will be released to the public if requested under the Freedom of Information Act (FOIA).

3(g) Sensitive Questions

The data collection does not ask any sensitive questions concerning sexual behaviors or attitudes, religious beliefs, or other matters.

4 RESPONDENTS AND INFORMATION REQUESTED

The following sections provide information on the respondents and the information they are requested to provide.

4(a) Respondents/NAICS Codes

Respondents to the GS Rule include those who desire to inject CO₂ in the subsurface for the purpose of long-term storage. They potentially include the owners and operators of coal-fired electric power plants and ethanol power plants and the oil and gas extraction industry. The North American Industry Classification System (NAICS) code for fossil fuel electric power generation is 221112; the code for crude petroleum and natural gas extraction is 211111; and for petroleum refining is 324110.³ States and EPA Regions that provide UIC Class VI Program oversight are also respondents. The NAICS code for Tribes is 921150. The code for administration of air and water resource and solid waste management programs is 924110.

4(b) Information Requested

The following sections provide details on data items requested and associated activities respondents will be required to undertake to provide this information. All data must be submitted in electronic format (40 CFR 146.91(e)).

4(b)(i) Data Items

Owners and Operators

EPA will require those seeking permits to own and operate CO₂ GS wells to submit the following items in order to characterize the proposed site, as described in more detail in 40 CFR 146.82(a):

- Information required in 40 CFR 144.31 (e)(1) through (6);
- A map showing the injection well(s) and the applicable AoR;
- Information on the geologic structure and hydrogeologic properties of the proposed storage site and overlying formations;
- A tabulation of all wells within the AoR which penetrate the injection or confining zone(s);
- Maps and stratigraphic cross sections indicating the general vertical and lateral limits of all USDWs, water wells and springs within the AoR, their positions relative to the injection zone(s) and the direction of water movement, where known; and
- Baseline geochemical data on subsurface formations, including all USDWs in the area of review.

³ 2007 NAICS Codes. <http://www.census.gov/naics/2007/NAICOD07.HTM>. The NAICS codes provided above is not an exhaustive list.

In unique situations, owners and operators may request a waiver to the requirement to inject below the lowermost USDW and must submit, at the time of permit application, a supplemental report that includes the following (40 CFR 146.95(a)):

- A demonstration that the injection zone is appropriate and meets certain conditions;
- A demonstration that the confining zone is appropriate and meets certain conditions;
- A demonstration, using computational modeling (in conjunction with AoR modeling) that the USDWs above and below the injection zone will not be endangered;
- A demonstration that well design and construction will ensure isolation of the injectate;
- A description of how the Monitoring and Testing Plan and any other plans will be tailored to address injection above the lowermost USDW;
- Information on public water systems that use USDWs in the AoR; and
- Any other information required by the permitting authority.

In addition, owners and operators must submit the following plans and proposals with their applications (40 CFR 146.82(a)):

- Proposed operating data;
- Proposed formation testing program;
- Proposed stimulation program;
- Proposed procedure to outline steps necessary to conduct injection operation;
- Schematic or other appropriate drawings of the surface and subsurface construction details of the well;
- Injection well construction procedures;
- Proposed AoR and Corrective Action Plan;
- A demonstration that the applicant has met financial responsibility requirements;
- Proposed Testing and Monitoring Plan;
- Proposed Injection Well Plugging Plan;
- Proposed PISC and Site Closure Plan;
- Proposed Emergency and Remedial Response Plan; and
- Any other information requested by the permitting authority.

After construction of the well but before operation begins, owners or operators must submit the following information (40 CFR 146.82(c)):

- The AoR based on modeling, using data obtained during logging and testing of the well and the formation;
- Any updates, based on data obtained during logging and testing, to geologic and hydrogeologic data initially submitted with the permit application;
- Information on the compatibility of the CO₂ stream with fluids in the injection zone and minerals in both the injection and the confining zone(s);
- Results of the formation testing program;
- Final injection well construction procedures;
- The status of corrective action on wells in the AoR;
- All available logging and testing program data on the well (collected under 40 CFR 146.87);
- A demonstration of mechanical integrity prior to commencing injection;
- Any updates to the proposed AoR and Corrective Action Plan, Testing and Monitoring Plan, Injection Well Plugging Plan, PISC and Site Closure Plan, or the Emergency and Remedial Response Plan needed to address new information collected during logging and testing; and
- Any other information requested by the Director.

Once an operating permit has been issued, EPA will require semi-annual reports of the following (40 CFR 146.91(a)):

- The characteristics of injection fluids, injection pressure, flow rate, volume, and annular pressure;
- A description of any events that required shutdown or that resulted in an exceedance of operating parameters specified in the permit; and
- The results of any monitoring conducted under the Monitoring and Testing Plan.

Although reporting is semi-annual, many of the monitoring requirements are more frequent; some are continuous. Some frequencies are specified in the GS Rule; others will be site-specific and will be established and documented in the Monitoring and Testing Plan.

Within 30 days, owners must report results of MITs, well workovers, and any other test required by the Director (40 CFR 146.91(b)). They must also notify the director 30 days in advance of a planned well workover, planned stimulation activities, or any other planned test of the well (40 CFR 146.91(d)).

Certain events require the owner or operator to notify the state within 24 hours. These are associated with triggers indicating potential endangerment to USDWs and include the following (40 CFR 146.91(c)):

- Evidence that the injected CO₂ stream and associated pressure front may cause endangerment to a USDW;
- Noncompliance with a permit condition, or a problem with the injection system, that may cause fluid migration into or between USDWs;
- Any triggering of a shut-off system;
- Failure to maintain mechanical integrity; and
- Any release of gas to the atmosphere or biosphere, where soil or air monitoring is required.

At least every 5 years (or when changes in site-specific operational conditions established up front and specified in the plans warrant re-evaluation), operators must also re-evaluate the AoR and submit an amended AoR and Corrective Action Plan, as needed, along with the status of phased corrective action to the permitting authority (40 CFR 146.84). Operators must also periodically update the cost information supporting their financial responsibility determinations and annually provide an inflation update (40 CFR 146.85). The final rule also requires owners and operators to revise their monitoring and testing and emergency and Remedial Response Plans at least every 5 years, as needed, based on the AoR reevaluation or other relevant data. Where no revision is needed, owners or operators must demonstrate that this is the case (40 CFR 146.90; 40 CFR 146.94).

Following the injection phase (i.e., during well plugging and PISC) the owner or operator must submit the following information (40 CFR 146.92; 40 CFR 146.93):

- A notification of intent to plug injection wells, along with any revisions made to the original Plugging Plan submitted with the permit application;
- A plugging report after plugging is complete;
- A revised PISC and Site Closure Plan;
- Periodic reports of the results of post-injection ground water quality monitoring and the position of the CO₂ plume;
- A non-endangerment demonstration that the CO₂ plume has stabilized and there is no threat to USDWs following the PISC period;
- Notice of intent for site closure and, if needed, a revised PISC and Site Closure Plan; and
- A site closure report and copy of recording of a notation on the deed to the property regarding the fact that injection occurred.

Permitting Authorities

Permitting authorities will be required to review all the items submitted by owners and operators (see above).

States seeking primacy for administrating a Class VI program must receive approval for their program from EPA. States that do not currently have primacy under SDWA Section 1422 must include the following (40 CFR 145.22):

- A letter from the governor requesting program approval;
- A complete program description (as described in 40 CFR 145.23);
- An attorney general's statement;
- A memorandum of agreement (MOA) with the Regional administrator;
- Copies of all applicable state statutes and regulations; and
- A showing of the state's public participation activities.

According to the GS Rule, states may submit their Class VI primacy application electronically.

4(b)(ii) Respondent Activities

Owners and Operators

In general, owners and operators seeking to obtain permits for CO₂ GS wells will be involved in the following collection activities:

- Reading and understanding the GS Rule;
- Gathering new or existing geological data and other site information required as part of the permit application, including maps, geological and geochemical data, and data on existing wells in the AoR;
- Developing plans and procedures that must be submitted with the permit application, including the proposed operating data, proposed formation testing program, proposed stimulation program, proposed injection procedure, schematics of well construction, Testing and Monitoring Plan, proposed area of review and Corrective Action Plan, injection well construction procedures, proposed Injection Well Plugging Plan, proposed PISC and Site Closure Plan, and proposed emergency and Remedial Response Plan (40 CFR 146.82(a));
- Developing a report including the information required as part of a waiver application, if applying for a waiver (40 CFR 146.82(d));

- Demonstrating financial responsibility and resources for corrective action, injection well plugging, post-injection site care and closure, and emergency and remedial response; and
- Compiling the above information and preparing the permit application.

After submitting the UIC permit application but before beginning operation of a Class VI well, owners and operators must conduct testing and submit additional information. Activities include the following:

- Submitting all logging and testing data; results of formation testing; and data on compatibility of the CO₂ stream with fluids and minerals in the injection and confining zones, and well materials;
- Demonstrating mechanical integrity of the well;
- Calculating the AoR using computational models, based on data obtained during logging and testing; and
- Providing information on status of corrective action on wells in the AoR.

Once operation commences, owners and operators must monitor the well and submit semi-annual reports. They must monitor the following:

- Chemical and physical characteristics of the CO₂ stream;
- Injection pressure, flow rate and volume, and pressure on the annulus, and annulus fluid volume (using continuous recording devices);
- Alarms and automatic shut-off systems; and
- Corrosion of well materials.

In addition, at least once per year operators must demonstrate external mechanical integrity and report the results of testing. Throughout the injection phase, operators must monitor ground water quality, track the CO₂ plume and pressure front, and perform any soil gas/ surface air monitoring or other required monitoring, as specified in their approved Testing and Monitoring Plans.

At least every 5 years, the owner or operator must re-evaluate the AoR by rerunning the delineation models to incorporate operational and monitoring data. Based on this, the operator must revise the AoR and Corrective Action Plan, if needed. This reevaluation also triggers revisions to monitoring and testing, injection well plugging, PISC and site closure, and emergency and Remedial Response Plans every 5 years, as needed. Where no revision is needed, owners or operators must demonstrate that none is required.

At the end of an injection project, the operator must submit a notice of intent to plug the injection well and a revised PISC and Site Closure Plan. During the PISC phase, operators will

monitor ground water quality, track the position of the CO₂ plume as well as report to the permitting authority on the results as specified in their approved PISC Plans. Following the post-injection monitoring, operators will perform a non-endangerment demonstration to show that there is no threat to USDWs, and that no further monitoring is necessary. At this point, if closure of the site is authorized, the owner or operator must submit a site closure report and must record a notation on the deed to the property regarding the fact that injection occurred on the site.

Recordkeeping activities include maintaining the AoR and Corrective Action Plan, the Well Plugging Plan, the Emergency and Remedial Response plan, and the PISC and Site Closure Plan. Operators must also maintain and adjust cost information associated with their financial responsibility determinations.

Additionally, owners and operators of Class VI wells are required to keep records associated with permit application throughout the life of the geologic sequestration project and until 10 years after site closure. Owners and operators must also keep all reports required by 40 CFR 146.90(b) through 146.90(i) for 10 years. Data on the nature and composition of all injected fluids must be kept until 10 years after site closure, and the Director may require owners and operators to deliver these records to the Director at the conclusion of the required period. The Director may require owners and operators to keep any of the above records for longer than 10 years after site closure (40 CFR 146.91(f)).

Permitting Authorities

Permitting authorities may serve in the role of respondents when reviewing and evaluating information and reports submitted by owners or operators. Permitting authorities are anticipated to be involved in the following activities:

- Read and understand the rule; train staff;
- Modify or develop data management systems to receive and evaluate information related to GS activities, as required;
- Review permit applications and prepare permits; issue notice and oversee public comment period on draft permit;
- Review waiver applications and issue public notice on proposed waiver, if applicable;
- Review pre-operational testing and logging data, AoR evaluations, and the status of corrective action;
- Review semi-annual and occasional reports from operators;
- Review AoR re-evaluations and updates to the AoR and Corrective Action Plan;
- Review updates to other plans triggered by AoR re-evaluations and/or other data;
- Modify permits as necessary to incorporate and reflect updated plans;
- Review notices of intent to plug wells;
- Review post-injection monitoring data and non-endangerment demonstrations and determine whether to authorize site closure;

- Review notices of intent to close GS sites and site closure reports; and
- Maintain records of the above information submitted by operators.

States are required to maintain records of Class VI injection well operation verification activities and each determination made, and report to EPA under the UIC program in accordance with reporting requirements at 40 CFR 144.8 through the UIC Program.

States must develop and submit their proposed UIC Class VI program to EPA for approval of primary enforcement authority. State primacy applications for UIC Programs must include the items described in 40 CFR 145.23.

5 INFORMATION COLLECTED—AGENCY ACTIVITIES, COLLECTION METHODOLOGY, AND INFORMATION MANAGEMENT

The following sections describe the Agency activities related to analyzing, maintaining, and distributing the information collected.

5(a) Agency Activities

The Agency will be responsible for promulgating the GS Rule and overseeing its implementation. EPA Regions and EPA Headquarters will have different responsibilities. If a state does not seek or obtain approval for primacy of the Class VI program, EPA Regions will directly implement the program (see section 4b(ii) of this document). (For this ICR, the burden for EPA Regions conducting these implementation activities is combined with that for states with primacy to provide an overall burden for all permitting authorities.) Regions will review primacy applications submitted by the states in coordination with EPA headquarters. Lastly, Regions review waiver applications after states with primacy make an initial recommendation on whether to grant a waiver. The Regions will concur or not concur with the states' decision (146.95(d)(2)).

Headquarters will also be responsible for updating the UIC database to enable it to hold Class VI compliance data and permit application data.

5(b) Collection Methodology and Management

EPA will require the reporting of data from owners or operators in an electronic format acceptable to the Director for site, facility, and monitoring information.⁴ Long-term retention of records in an electronic format may also be required at the Director's discretion. For records stored in an electronic format, information should be maintained digitally in multiple locations (i.e., backed-up) in accordance with best practices for electronic data.

Electronic reporting involves transmitting UIC data in a standard electronic format that can be readily incorporated into Headquarters UIC databases without manual data entry. Electronic reporting supports the Agency's effort to streamline the UIC Program by reducing the reporting burden on the states and improving EPA's data collection methods. Electronic reporting offers an opportunity to:

- Reduce data entry;
- Reduce mailing costs;
- Reduce the routine process of handling paperwork;

⁴ To provide flexibility to owners and operators, during the initial year after rule promulgation, the UIC database will accept either hardcopy or electronic data submissions.

- Reduce or eliminate the need to store large quantities of paper documents; and
- Increase the accuracy of reports submitted to EPA.

In 2007, EPA began creating a national UIC database for well, facility, and compliance data submitted by permitting authorities. The national UIC data model contains approximately 120 data elements related to various aspects of the UIC Program. At this time, several permitting authorities are actively participating in use of the national UIC database. EPA encourages states to work with EPA Regional offices as much as possible in order to use the new database system for reporting of information regarding Class VI wells. The database includes a mechanism to electronically transfer data between existing state and EPA Regional databases and Headquarters' database, eliminating the need for state UIC Program Directors to complete paper reporting forms. (The burden and cost associated with developing and maintaining the national UIC database is accounted for in the UIC Program ICR; the GS Rule is assumed to add a negligible cost to this requirement due to the small number of GS sites.)

5(c) Small Entity Flexibility

In general, a small entity is defined as: (1) a small business with annual revenue less than \$6 million according to Small Business Administration size standards; (2) a small governmental jurisdiction that is a government of a city, county, town, school district or special district with a population of less than 50,000; or (3) a small organization that is any not-for-profit enterprise which is independently owned and operated and is not dominant in its field. In some cases, however, industries propose different standards for small businesses.

EPA expects that Class VI wells will be owned and operated by fossil fuel power generators, oil and gas extraction companies, and oil and gas refineries. Because the resources necessary to construct injection wells that meet the standards of the GS Rule are significant, EPA believes that none of the owners or operators of Class VI wells will be small entities. Therefore, EPA assumes that the GS Rule will cause no significant impact on small entities.

5(d) Collection Schedule

The final GS Rule is scheduled for promulgation in 2011; this ICR covers the first three years of implementation (2011 through 2013). States wishing to obtain EPA approval for their Class VI programs will complete and submit Class VI primacy applications to EPA within 270 days of GS Rule promulgation. Under 40 CFR 145.31(e), EPA has 90 days to review each application. No other deadlines apply to owners or operators or to states during the ICR clearance period.

Because this ICR covers only the first three years of a regulation that will cover injection operations with potentially long life spans (i.e., up to 40 years of injection and 50 years of post-injection monitoring), EPA assumes that only a limited portion of the paperwork burden for GS projects will be captured in this ICR. EPA anticipates that the majority of the activities during the information collection will be associated with states applying for primacy.

EPA estimates that approximately two operators are assumed to submit permit applications during the ICR clearance period. Operators will conduct these activities during the second and third years of the ICR period. EPA predicts that CO₂ GS well operators will begin to submit monitoring data and conduct MIT during the third year, but that they will not perform AoR re-evaluations, plug their injection wells, or perform PISC within the period covered by this ICR.

EPA estimates that up to 32 states will apply for primacy in the first year of the collection. This is a conservative estimate based on the number of states with existing plans for GS operations or with existing Class II wells that may be subject to conversion to Class VI.

Permitting authorities will review permit applications during the second and third years of the ICR period.

6 ESTIMATING BURDEN AND COST OF COLLECTION

This section contains EPA's estimates of the burden and costs to respondents (i.e., well owner/operators and permitting authorities) associated with CO₂ GS Rule paperwork requirements, and federal burden and costs for reviewing respondent submissions. Section 6(a) provides burden estimates for all respondent types. Section 6(b) contains estimates of respondent costs for the information collection. Section 6(c) summarizes federal burden and costs as users of respondent data. Section 6(d) describes the respondent universe and the total burden and cost of this collection to respondents. Section 6(e) presents bottom line burden and costs for all respondents, and the burden statement for this information collection is in Section 6(f).

The burden and cost estimates for this ICR were derived from unit cost estimates in the *Geologic CO₂ Sequestration Technology and Cost Analysis* (USEPA, 2010x). Because so many activities are included in each rule requirement, the unit burden and cost associated with each activity are not shown in this section but are presented in detail in Chapter 5 (and associated appendices) of the *Cost Analysis for the Final GS Rule* (USEPA, 2010x). Appendix A, Ex. A.1.1 of this ICR contains a detailed list of each activity for which owner or operator burden is incurred (and for which a unit burden and cost has been estimated). Each activity is assigned an identification number (e.g., A-2) used to identify the activity in subsequent exhibits. Activities are grouped into larger categories that generally correspond to specific rule sections. For instance, under the site characterization category (which corresponds to 40 CFR 146.82), activities include seismic surveys to identify faults and fractures in confining units, analysis of seismic history, literature searches to obtain geomechanical information, and cores and tests to obtain geomechanical information, among others. Similarly, a list of activities for permitting authorities is presented in Exhibit A.2.1.

Because site characterization costs for GS wells differ with the geology of the site, the size of the project, and whether an operator applies for a waiver, EPA estimated burden and cost for five different types of GS projects. EPA divided the projects by formation type into saline formations and depleted oil and gas reservoirs (Enhanced Recovery (ER) operations) and then further subdivided based on whether the owner or operator was applying for a waiver and the size of the project. The five categories of projects are below:

- Saline formation, pilot-scale;
- Saline formation, large-scale, non-waivered;
- Saline formation, large-scale, waived;
- Depleted oil and gas reservoir, (ER, large-scale) non-waivered; and
- Depleted oil and gas reservoir, (ER, large-scale) waived.

For each type of project, the appendices present burden and costs incurred by owners and operators, and by permitting authorities. Appendix A presents the incremental burden and costs for moving from the information collection requirements of the UIC program for the baseline scenario (Class I non-hazardous wells) to the selected alternative (Class VI rule) over the ten years following rule promulgation. EPA assumes that without the GS Rule, owners and operators would have constructed and operated GS wells according to UIC requirements for Class I non-hazardous wells, the standard used for construction of many experimental GS wells. Reporting

and recordkeeping burden and costs for the selected alternative and baseline are presented in Appendix B and C, respectively. The incremental burden and costs presented in Appendix A are obtained by subtracting the burden and cost for complying with the baseline scenario from the full burden and cost of complying with the selected alternative.

EPA estimates that the average annual net change burden (for owners/operators, permitting authorities, and the Agency) for the ICR clearance period is 17,874 hours, for a total of 53,622 burden hours. The average annual net change cost is \$10.1 million, for a total cost of \$30.2 million from 2011 through 2013. Average annual net change burden and costs are provided in Exhibit 6.1a below.

Exhibit 6.1a: Average Annual Net Change Burden and Costs for the GS Rule ICR (2011 – 2013)

Source Category	Annual Respondents	Annual Responses	Annual Burden (hrs)	Annual Labor Cost (\$)	Annual Capital Cost (\$)	Annual O&M Cost (\$)	Total Annual Cost (\$)
Owners and Operators	1.0	6.9	1,510	199,388	5,827,027	3,238,389	9,264,805
Permitting Authorities	10.7	23.6	11,241	555,763	-	-	555,763
Agency	1.0	11.7	5,123	256,880	-	-	256,880
Total	12.6	42.3	17,874	1,012,032	5,827,027	3,238,389	10,077,448

Source: Appendix A.3.2d

Notes:

1. Detail may not add exactly to total due to independent rounding.
2. "Annual Burden Hours" reflects an annual average for all project types over the 3-year ICR period.

6(a) Estimating Respondent Burden

6(a)(i) Burden to Owners and Operators of CO₂ GS Wells

EPA's estimate of the annual reporting and recordkeeping burden to owners and operators associated with submitting permit applications (and applying for waivers from the requirement to inject below the lowermost USDW), delineating the AoR and performing corrective action, pre-operational testing, testing and monitoring, reporting and recordkeeping, injection well plugging, and PISC is presented in Exhibit 6.1b.

**Exhibit 6.1b: Average Annual Net Change Owner and Operator Burden and Costs
for the GS Rule ICR (2011 – 2013)**

Source Category	Annual Respondents	Annual Responses	Annual Burden (hrs)	Annual Labor Cost (\$)	Annual Capital Cost (\$)	Annual O&M Cost (\$)	Total Annual Cost (\$)
Saline Pilot	-	-	-	-	-	-	-
Saline Large, Non-Waivered	0.9	4.9	1,060	141,403	5,459,317	2,531,637	8,132,357
Saline Large, Waivered	0.1	2.1	450	57,986	367,710	706,752	1,132,448
ER, Non-Waivered	-	-	-	-	-	-	-
ER, Waivered	-	-	-	-	-	-	-
Total	1.0	6.9	1,510	199,388	5,827,027	3,238,389	9,264,805

Source: Appendix A.3.2a

Notes:

1. Detail may not add exactly to total due to independent rounding.
2. "Annual Burden Hours" reflects an annual average for all project types over the 3-year ICR period.

The annual average net change burden to owners and operators of Class VI wells nationwide during the ICR clearance period is estimated to be 1,510 hours. The activities during the ICR clearance period include the following: preparing the permit application and applying for waivers (ten percent of owners and operators are assumed to apply for waivers), performing geological site characterization, developing necessary plans, and pre-operational testing and reporting, including modeling the AoR and performing all pre-operational corrective action. Owners and operators will also begin collecting operating and monitoring data as required by the Monitoring and Testing Plan and will begin submitting semi-annual reports. They will also begin periodic MIT. The burden is assumed to be incurred by owners and operators with projects in large saline aquifers. No pilot saline projects or enhanced recovery projects are expected to begin during the ICR period.

EPA does not expect that any operators will conduct activities associated with periodic AoR re-evaluations, plan updates, injection well plugging, or PISC during the three years covered by this ICR. These will occur in subsequent ICR periods (see Appendix A, Exhibit A.3.2 for net change burden for years 4-10 following promulgation).

EPA recognizes that many UIC information collection activities are performed by contractors. The operator unit burden estimates reported in this section represent a composite of the operator time required to both perform an information collection activity and to supervise a contractor when the contractor performs the activity. Contractor services are not generally broken out into labor and other costs for this ICR; therefore, all contractor costs are considered O&M costs.

6(a)(ii) Burden to Permitting Authorities

Permitting authorities' burden associated with implementing Class VI programs arises from program oversight and reviewing and responding to permit applications (including applications for waivers from the requirements to inject below the lowermost USDW) and pre-operational reports, operator testing and monitoring reports, AoR re-evaluations, and plugging and post-injection reports submitted by operators. Note that permitting authority burden includes burden for EPA Regions directly implementing the Class VI rule in states that do not have primacy, as well as burden for states. Average annual net change permitting authority burden associated with oversight of Class VI programs is presented in Exhibit 6.1c.

Exhibit 6.1c: Average Annual Net Change Permitting Authorities Burden and Costs for the GS Rule ICR (2011 – 2013)

Source Category	Annual Respondents	Annual Responses	Annual Burden (hrs)	Annual Labor Cost (\$)	Annual Capital Cost (\$)	Annual O&M Cost (\$)	Total Annual Cost (\$)
Saline Pilot	-	-	-	-	-	-	-
Saline Large, Non-Waivered	0.6	1.1	10	518	-	-	518
Saline Large, Waivered	0.1	1.2	9	463	-	-	463
ER, Non-Waivered	-	-	-	-	-	-	-
ER, Waivered	-	-	-	-	-	-	-
Project-Independent Activities	10.7	21.3	11,221	554,783	-	-	554,783
Total	10.7	23.6	11,241	555,763	-	-	555,763

Source: Appendix A.3.2b

Notes:

1. Detail may not add exactly to total due to independent rounding.
2. "Annual Burden Hours" reflects an annual average for all project types over the 3-year ICR period.
3. The net change in "Annual Burden" for large saline non-waivered projects is positive due to an increase in the burden for permitting authorities to review monitoring reports submitted by operators under the selected alternative in comparison to the baseline.

EPA estimates that the average annual net change burden to permitting authorities associated with this information collection will be 11,241 hours. The burden is allocated as follows:

- The majority of the burden is associated with completing primacy applications and staff training, which will impose an average annual net change burden of 11,221 hours during the 3 years covered by this ICR, as shown in the "Project Independent Activities" row of Exhibit 6.1c. EPA estimates that applying for primacy will require 0.5 full-time equivalents (FTEs), or 1,040 hours, per state.
- Permitting authorities will spend an average of 19 hours annually overseeing approximately two Class VI well operators. This includes reviewing permit and waiver applications (if needed) for Class VI wells, writing permits, and reviewing AoR studies and pre-operational data. EPA estimates that 56 percent of the burden for

these activities will be incurred by states and 44 percent will be incurred by EPA Regions. Ten percent of applications received from large scale projects are assumed to include waiver applications. Permitting authorities will also begin to review operational and monitoring data submitted in semi-annual reports, along with MIT results.

During the ICR clearance period, EPA predicts that primacy agencies will not spend any time reviewing AoR re-evaluations, updates to AoR and Corrective Action Plans and other plans, or plugging and post-injection monitoring reports submitted by operators of Class VI sites, because no sites are expected to reach that phase during this period. This burden is expected to be incurred after the ICR clearance period. Appendix A, Exhibit A.3.2 presents the burden and costs for years 1-10 following rule promulgation.

6(b) Estimating Respondent Costs

6(b)(i) Costs to Operators

Exhibit 6.1b shows the average annual net change costs for owners and operators of Class VI injection wells over the 3-year ICR clearance period. The average annual net change costs are approximately \$9.3 million, which consists of \$0.2 million in labor costs, \$5.8 in capital costs and \$3.2 million in O&M costs. An example of capital costs associated with reporting requirements under the GS Rule is installation and construction of monitoring wells. Examples of O&M costs include sampling costs, such as those for samples collected to develop geochemical baselines for the injection and confining zones.

For costing purposes, EPA estimated the base hourly labor rates for two occupations: geologists and mining and geological engineers. EPA obtained the rates for geologists from the American Association of Petroleum Geologists' 2008-2009 annual salary survey. Assuming 15-19 years of experience, the rate is \$67.02 (based on an annual salary of \$139,400).⁵ EPA obtained rates for mining and geological engineers from the Society for Petroleum Engineers annual survey. For a reservoir engineer with 11-15 years of experience, the rate is \$69.14 (based on an annual salary of \$143,800).⁶ EPA multiplied these rates by a loading factor of 1.6, as suggested by EPA's November 2005 ICR Handbook, to account for overhead and benefits. Thus, the loaded labor rate for geologists is \$107.23, and the rate for engineers is \$110.62.

⁵ <http://www.aapg.org/explorer/salariesurvey.cfm>

⁶ Society for Petroleum Engineers Annual Membership Salary Survey Highlight Report. Prepared by Western Management Group. September 2008. p. 12
http://www.spe.org/spe-site/spe/spe/career/salary_survey/08SalarySurveyHighlights.pdf

6(b)(ii) Costs to Permitting Authorities

Exhibit 6.1c shows that the average annual net change cost to permitting authorities is estimated at \$0.6 million, all of which is labor cost. For this ICR, EPA assumed that the average hourly labor rate for a state employee is \$30.90, based on the Bureau of Labor Statistics average hourly wage for workers in the life, physical, and social science occupations in 2008.⁷ This rate was multiplied by 1.6 to get a loaded rate of \$49.44. The base hourly labor rate for EPA Regions directly implementing the Class VI program in states without primacy is \$31.34. This rate is based on federal employee pay scales issued by the U.S. Office of Personnel and Management⁸ and was multiplied by 1.6 for a loaded rate of \$50.14. As described in section 6(a)(ii), EPA estimates that 56 percent of the burden associated with reviewing permit applications will be incurred by states, and 44 percent will be incurred by EPA Regions.

The incremental non-labor costs (capital and O&M) to permitting authorities associated with the Class VI program are estimated to be negligible.

6(c) Estimating Agency Burden and Costs

EPA Regions will have oversight responsibilities for the Class VI program. These include reviewing primacy applications, as well as reviewing waiver applications after states have reviewed them (in states that do not have primacy, burden to EPA Regions for reviewing waiver applications is counted as permitting authority burden). Regions will review primacy applications submitted by the states and reviewing waiver applications passed on by states.

EPA estimates that EPA Headquarters will spend 2 FTEs, or 4,160 hours, annually to update the data systems to manage Class VI data.

The total annual net change Agency burden associated with the reporting and recordkeeping requirements of the GS Rule is 5,123 hours. As explained in section 6(b)(ii), EPA assumes the average hourly labor rate for salary and overhead and benefits for Agency staff to be \$50.14. The annual net change Agency cost associated with this collection is \$0.3 million. A summary of Agency costs is presented in Exhibit 6.1d.

⁷ Occupational Employment and Wages, 2008. Table 1. National employment and wage data from the Occupational Employment Statistics survey by occupation, May 2008. <http://www.bls.gov/news.release/pdf/ocwage.pdf>.

⁸ Salary Table 2008-GS, Incorporating the 2.5 Percent General Schedule Increase, Effective 2008. Hourly/Overtime Rates by Grade and Step. Grade 12, Step 5. http://www.opm.gov/oca/08tables/html/gs_h.asp.

Exhibit 6.1d: Average Annual Net Change Agency Burden and Costs for the GS Rule ICR (2011 – 2013)

Source Category	Annual Respondents	Annual Responses	Annual Burden (hrs)	Annual Labor Cost (\$)	Annual Capital Cost (\$)	Annual O&M Cost (\$)	Total Annual Cost (\$)
Saline Large, Waivered	0.1	0.1	3	143	-	-	143
ER, Waivered	-	-	-	-	-	-	-
Project-Independent Activities	1.0	11.7	5,120	256,737	-	-	256,737
Total	1.0	11.7	5,123	256,880	-	-	256,880

Source: Appendix A.3.2c

Notes:

1. Detail may not add exactly to total due to independent rounding.
2. “Annual Burden Hours” reflects an annual average for all project types over the 3-year ICR period.

6(d) Respondent Universe

In this section, EPA describes the number of respondents subject to each paperwork activity in this ICR. The respondent universe is based on EPA’s assumptions of the number of permittees subject to each paperwork requirement, e.g., the number of permit applications expected, or the percent of permittees subject to monitoring or reporting requirements and the frequency with which they must comply with those requirements. The frequency at which each activity is performed is presented in the burden and cost tables.

EPA estimates that 32 states will apply for and gain primacy within the first year of the clearance period. This number represents 56 percent of the 57 states, tribes, and territories currently active in the UIC program, as described in Chapter 5 of the Cost Analysis document. EPA assumes that no tribes will seek primacy for Class VI wells during the information collection period.

EPA estimates that approximately two GS projects will begin the deployment process in years two and three of the ICR clearance period. This is based on the deployment schedule in the cost model for the *Cost Analysis for the Final GS Rule* (USEPA, 2010x). EPA predicts that approximately one of two GS projects will be located in states with primacy; thus it is estimated that approximately one state will incur paperwork burden associated with operator submittals. EPA assumes the other GS project will be permitted under the authority of a program directly implemented by the EPA Regions.

During the three years covered by this ICR, approximately two operators will apply for a permit (including those who apply for a waiver); this equals an average of 0.6 operators submitting permit applications per year.

6(e) Bottom Line Annual Burden and Costs

This section provides a description of bottom line estimates for implementing the federal requirements for underground injection of CO₂ for the purpose of GS. The bottom line net change burden hours and costs for owners and operators, permitting authorities, and the Agency are the summaries of the hours and costs collectively incurred for all activities associated with the change in moving from the information requirements of the UIC program for Class I non-hazardous wells (baseline) to the selected alternative under the GS Rule over the three years covered by this ICR. The first part of this section describes the estimated average annual net change costs and hourly burdens for owners and operators and permitting authorities. The second part discusses the potential net change cost and burden to EPA. Figure 6.2 presents a summary of the average annual net change respondent burden over three years for owners and operators, permitting authorities, and EPA. All additional exhibits relating to this ICR are in Appendix A, B, and C.

Exhibit 6.2: Bottom Line Average Annual Net Change Burden and Costs for the 3-Year ICR Period

Annual Number of Respondents	11.6 (=)	
	1.0 (+)	Owners and Operators
	10.7	Permitting Authorities
Total Annual Responses	30.6 (=)	
	6.9 (+)	Owners and Operators
	23.6	Permitting Authorities
Annual Number of Responses per Owner/Operator	7.2 (=)	
	6.9 (/)	Total annual Owners and Operators responses (from above)
	0.97	Total annual number of Owners and Operators respondents (from above)
Annual Number of Responses per Permitting Authority	2.2 (=)	
	23.6 (/)	Total annual Permitting Authority responses (from above)
	10.7	Total annual number of Permitting Authority respondents (from above)
Total Annual Respondent Burden Hours	12751.2 (=)	
	1510.1 (+)	Owners and Operators hours
	11241.0	Permitting Authority hours
Hours per Response for Owners and Operators	217.3 (=)	
	1510.1 (/)	Total Owner and Operator annual hours (from above)
	6.9	Total Owner and Operator responses (from above)
Hours per Response for Permitting Authorities	475.7 (=)	
	11241.0 (/)	Total Permitting Authority annual hours (from above)
	23.6	Total Permitting Authority responses (from above)
Annual O&M and Capital Cost	\$ 9,065,416 (=)	
	\$ 9,065,416 (+)	Owners and Operators Capital and O&M costs
	\$ -	Permitting Authority Capital and O&M costs
Total Annual Respondent Cost	\$ 9,820,568 (=)	
	\$ 9,264,805 (+)	Owners and Operators costs
	\$ 555,763	Permitting Authority costs
Total Annual Hours (resp. plus Agency)	\$ 17,874 (=)	
	\$ 12,751 (+)	Total respondent hours (from above)
	\$ 5,123	Total EPA hours
Total Annual Cost (resp. plus Agency)	\$ 10,077,448 (=)	
	\$ 9,820,568 (+)	Total respondent cost
	\$ 256,880	Total EPA cost

Notes:

- 1) Detail may not add exactly to totals due to rounding.
- 2) Permitting Authorities include States, Tribes, and Regions acting on behalf of States and Tribes without primacy.

6(e)(i) Variations in the Annual Bottom Line

The burden and costs incurred by respondents to the CO₂ GS Rule differ over each of the 3 years covered by this ICR. The differences are due primarily to the fact that states applying for primacy will do so only during the first year of the ICR period. The EPA burden associated with reviewing primacy applications will be incurred during the same year. In addition, the approximately two operators assumed to apply for Class VI permits will apply only during the second and third years of the ICR period. Permitting authority oversight burden during the ICR clearance period will vary accordingly, as states and EPA Regions respond to UIC permit applications and waiver applications by reviewing the applications and writing permits. Owners and operators are expected to begin collecting monitoring data, conducting MIT, and submitting semi-annual reports during the third year of the ICR period. Permitting authorities will review

these data. Appendix A, Exhibit A.3.2 presents the burden and costs for years 1-10 following rule promulgation.

6(f) Burden Statement

The annual net change public reporting and recordkeeping burden for this collection of information is estimated to average 1,510 hours per CO₂ GS well owner/operator respondent per year, 1,054 hours per permitting authority respondent per year, and 5,123 hours for the Agency per year for the 3-year ICR period.⁹

Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control numbers for EPA's regulations are listed in 40 CFR part 9 and 48 CFR chapter 15.

To comment on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques, EPA has established a public docket for the GS Rule under Docket ID No. EPA-HQ-OW-2008-0438, which is available for public viewing at the Water Docket in the EPA Docket Center (EPA/DC), EPA West, Room 3334, 1301 Constitution Ave., NW, Washington, DC. The EPA Docket Center Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Reading Room is (202) 566-1744, and the telephone number for the Water Docket is (202) 566-2426. An electronic version of the public docket is available at <http://www.regulations.gov>. This site can be used to submit or view public comments, access the index listing of the contents of the public docket, and to access those documents in the public docket that are available electronically. Once in the system, select "search," then key in the docket ID number identified above. Also, you can send comments to the Office of Information and Regulatory Affairs, Office of Management and Budget, 725 17th Street, NW, Washington, DC 20503, Attention: Desk Office for EPA. Please include the EPA Docket ID No. (EPA-HQ-OW-2008-0438), and OMB control number (2040-0278) in any correspondence.

⁹ The average burden hours were calculated by dividing the annual burden hours (from Figure 6.1a-d) by the annual number of respondents (from Figure 6.2), e.g., for owners and operators, $1510 \div 1.0 = 1510$.

GS Rule ICR Appendices

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	ICR Agency Activities for Large Saline Waivered Projects (RA 0)	C.2.5b
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Appendix A:
GS Rule Net Change
Burden and Costs Spreadsheets
(Regulatory Alternative 3 Net)

Exhibit A.0.1 Labor Rates

Operator Labor Rates

Cost Element	Labor Cost	Cost
	A	B=A*1.6
Mining & Geological Engineer	\$69.14	\$ 110.62
Geoscientist	\$67.02	\$ 107.23

Sources:

(A) Mining and Geological Engineer: Society for Petroleum Engineers Annual Membership Salary Survey Highlight Report. Prepared by Western Management Group. September 2008. p. 12 (15-19 years experience)

http://www.spe.org/spe-site/spe/spe/career/salary_survey/08SalarySurveyHighlights.pdf.

Geoscientist: American Association of Petroleum Geologists' 2008-2009 annual salary survey. (11-15 years experience)

<http://www.aapg.org/explorer/salarysurvey.cfm>.

(B) Wages were loaded by 60% to account for overhead, per the November 2005 ICR Handbook.

Federal and State Labor Rates

Cost Element	2008 Base Hourly Labor Cost	2008 Loaded Labor Cost
	A	B=A*1.6
Federal Employee	\$ 31.34	\$ 50.14
State Employee (National Average)	\$ 30.90	\$ 49.44

Sources:

(A) Federal: U.S. Office of Personnel Management, Salary Table 2008

http://www.opm.gov/oca/08tables/html/g_s_h.asp.

State: Bureau of Labor Statistics, May 2008 survey

<http://www.bls.gov/news.release/pdf/ocwage.pdf>.

(B) Wages were loaded by 60% to account for overhead, per the November 2005 ICR Handbook.

Exhibit A.0.2 Periodicity Codes

Periodicity Code	Description	Responses/Year
0	Never	0
1	One-time	1
2	Annual	1
3	Every 5 yrs	1
4	Monthly	12
5	Semi-annual	2
6	Quarterly	4
7	Biannual	1
8	Post Injection, One-time	1
9	Post Injection, Annual	1
10	Post Closure, One-time	1
11	Post Injection, Every 5 yrs	1

Note: Activities that occur every 2 years (biannually) and every 5 years are counted as only having responses every second year or every fifth year, as opposed to 0.5 and 0.2 responses annually.

Source: GS Rule Cost Model.

Appendix A.1: Owners and Operators (RA 3 Net)

Exhibit A.1.1: Activity Key for Owners and Operators

ICR Activity	ID#	Sub Categories/Notes	Periodicity	Periodicity
			Code	Code
A	B	C	D	E
Geologic Site Characterization	A-1	Develop maps and cross sections of local geologic structure.	1	One-time
Geologic Site Characterization	A-2	Conduct 3D seismic survey to identify faults and fractures in primary and secondary containment units.	1	One-time
Geologic Site Characterization	A-3	Obtain and analyze seismic (earthquake) history.	1	One-time
Geologic Site Characterization	A-4	Remote (aerial) survey of land, land uses, structures etc.	1	One-time
Geologic Site Characterization	A-5	Obtain data on area, thickness, capacity, porosity and permeability of receiving formations and confining systems.	1	One-time
Geologic Site Characterization	A-6	Obtain geomechanical information on fractures, stress, rock strength, in situ fluid pressures (from existing data and literature).	1	One-time
Geologic Site Characterization	A-7	Obtain geomechanical information on fractures, stress, rock strength, in situ fluid pressures (new cores and tests).	1	One-time
Geologic Site Characterization	A-8	List names and depth of all potentially affected Underground Sources of Drinking Water (USDWs).	1	One-time
Geologic Site Characterization	A-9	Provide geochemical information and maps/cross section on subsurface aquifers.	1	One-time
Geologic Site Characterization	A-10	Provide information on water-rock-CO2 geochemistry and mineral reactions.	1	One-time
Geologic Site Characterization	A-11	Develop list of penetrations into injection zone within AoR (from well history data bases).	1	One-time
Geologic Site Characterization	A-12	Develop list of penetrations into containment systems within AoR (from well history data bases).	1	One-time
Geologic Site Characterization	A-13	Develop list of water wells within AoR (from public data).	1	One-time
Geologic Site Characterization	A-14	Prepare geologic characterization report demonstrating: suitability of receiving zone, storage capacity and injectivity, trapping mechanism free of nonsealing faults, competent confining system, etc.	1	One-time
Geologic Site Characterization	A-15	G&A	1	One-time
Monitoring	B-1	Develop geochemical baseline for injection zones and confining zone. Assumes 4 samples per injection well.	1	One-time
Monitoring	B-2	Develop baseline of surface air CO2 flux for leakage monitoring.	0	Never
Monitoring	B-3a	Conduct front-end engineering and design for monitoring wells stopping above the confining zone.	1	One-time
Monitoring	B-3b	Conduct front-end engineering and design for monitoring wells drilling into the injection zone.	1	One-time
Monitoring	B-4a	Obtain rights-of-way for surface uses (monitoring wells stopping above confining zone).	1	One-time
Monitoring	B-4b	Obtain rights-of-way for surface uses (monitoring wells drilling into injection zone).	1	One-time
Monitoring	B-5	Obtain rights-of-way for surface uses (monitoring sites).	0	Never
Monitoring	B-6	Check valve (Director discretion to require down-hole shut-off valve, but expected to be check valves in all but the most exceptional cases).	1	One-time
Monitoring	B-7	Standard monitoring well stopping above the confining zone (used look up table). Standard monitoring wells for ER projects stop below the injection zone.	1	One-time
Monitoring	B-8	Standard monitoring well drilled into the injection zone (used look up table; applies to RA3-4 only).	1	One-time
Monitoring	B-9a	Pressure, temperature, and resistivity gauges and related equipment for monitoring wells stopping above the injection zone.	1	One-time
Monitoring	B-9b	Pressure, temperature, and resistivity gauges and related equipment for monitoring wells drilling into the injection zone.	1	One-time
Monitoring	B-10a	Salinity, CO2, tracer, etc. monitoring equipment for wells stopping above the injection zone (portion of equipment may be at surface such as for periodic in situ sampling using U-tubes).	1	One-time
Monitoring	B-10b	Salinity, CO2, tracer, etc. monitoring equipment for wells drilling into the injection zone (portion of equipment may be at surface such as for periodic in situ sampling using U-tubes).	1	One-time
Monitoring	B-10c	ER only, U-tube for sensing oil movement away from bottom of formation. Applies to 1 of every 4 monitoring wells drilled into the injection zone.	1	One-time
Monitoring	B-11a	Develop plan and implement Eddy Covariance air monitoring.	0	Never
Monitoring	B-11b	Develop plan and implement Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation. Costs are for planning and quality assurance (no construction costs).	0	Never
Monitoring	B-11c	Develop plan and implement LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse. Costs are for planning and quality assurance (no construction costs).	0	Never
Monitoring	B-11d	Develop plan and implement soil zone monitoring.	0	Never
Monitoring	B-11e	Develop plan and implement vadose zone monitoring wells to sample gas above water table.	0	Never
Monitoring	B-11f	Develop plan and implement monitoring wells for ground water quality and geochemistry.	1	One-time
Monitoring	B-12	Conduct periodic monitoring of groundwater quality and geochemistry.	4	Monthly
Monitoring	B-13	Surface microseismic detection equipment: geophone arrays in monitoring wells.	0	Never
Monitoring	B-14a	Monitoring well O&M for wells stopping above the injection zone.	2	Annual
Monitoring	B-14b	Monitoring well O&M for wells drilling into the injection zone.	2	Annual
Monitoring	B-14c	ER only, U-tube O&M for 1 of 4 monitoring wells drilled into the injection zone.	2	Annual
Monitoring	B-15a	Annual cost of air and soil surveys: Eddy Covariance.	0	Never
Monitoring	B-15b	Annual cost of air and soil surveys: Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	0	Never
Monitoring	B-15c	Annual cost of air and soil surveys: LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	0	Never
Monitoring	B-15d	Annual cost of air and soil surveys: soil zone monitoring.	0	Never
Monitoring	B-15e	Annual cost of air and soil surveys: vadose zone monitoring wells to sample gas above water table.	0	Never
Monitoring	B-15f	Annual cost of air and soil surveys: monitoring wells for gas samples from water table.	0	Never
Monitoring	B-16	Annual cost of passive seismic equipment.	0	Never
Monitoring	B-17	Periodic seismic surveys: 3D.	3	Every 5 yrs
Monitoring	B-18	Complex modeling of fluid flows and migration (reservoir simulations) over 100 years (RA0-3) or 10,000 years (RA4). Includes AoR and corrective action reevaluation and updating well plugging and monitoring/testing plans.	3	Every 5 yrs
Monitoring	B-19	Annual reports to regulators and recordkeeping for all data gathering activities.	0	Never
Monitoring	B-20	Semi-Annual (RA3) or quarterly (RA0) reports to regulators and recordkeeping for all data gathering activities.	5	Semi-annual
Monitoring	B-21	Monthly reports to regulators and recordkeeping for all data gathering activities and recordkeeping.	0	Never
Monitoring	B-22	G&A	1	One-time

Notes:

1) The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

2) Certain events require the owner or operator to notify the state within 24 hours. These are associated with triggers indicating potential endangerment to USDWs and for modeling purposes are included under B-20.

Sources:

(A) - (E): GS Rule Cost Model.

Exhibit A.1.1: Activity Key for Owners and Operators (Cont.)

ICR Activity	ID#	Sub Categories/Notes	Periodicity Code	Periodicity
A	B	C	D	E
Injection Well Construction	C-4	Land use, air emissions, water discharge permits.	1	One-time
Injection Well Construction	C-5	UIC permit filing, including preparation of attachments (see T&C Document for detail).	1	One-time
Injection Well Construction	C-17	G&A	1	One-time
AoR Study & Corrective Action	D-1	Simple fluid flow calculations to predict CO2 fluid flow.	0	Never
AoR Study & Corrective Action	D-2	Complex modeling of CO2 fluid flows and migration (reservoir simulations) over 100 years.	1	One-time
AoR Study & Corrective Action	D-3	Complex modeling of CO2 fluid flows and migration (reservoir simulations) over 10,000 years.	0	Never
AoR Study & Corrective Action	D-4	Aerial search for old wells (artificial penetrations). This includes helicopter magnetic survey and follow-up ground survey.	1	One-time
AoR Study & Corrective Action	D-5	Evaluate integrity of construction and record of completion and/or plugging of existing wells that penetrate containment system.	1	One-time
AoR Study & Corrective Action	D-6	Evaluate integrity of construction and record of completion and/or plugging of existing shallow wells that pose a threat to USDWs.	0	Never
AoR Study & Corrective Action	D-9	G&A	1	One-time
Well operation	E-1	Develop a corrosion monitoring and prevention program.	1	One-time
Well operation	E-2	Corrosion monitoring: analysis of injectate stream and measurement of corrosion of well material coupons.	6	Quarterly
Well operation	E-3	Continuous measurement / monitoring equipment: injected volumes, pressure, flow rates and annulus pressure.	1	One-time
Well operation	E-4	Equipment to add tracers.	1	One-time
Well operation	E-10	Tracers in injected fluid.	2	Annual
Well operation	E-14	G&A	1	One-time
Mechanical Integrity Tests	F-1	Internal Mechanical integrity pressure test.	3	Every 5 yrs
Mechanical Integrity Tests	F-2	Casing inspection log every.	3	Every 5 yrs
Mechanical Integrity Tests	F-3	Conduct a tracer survey of the bottom-hole cement using a CO2-soluble isotope.	2	Annual
Mechanical Integrity Tests	F-4	Conduct a tracer survey of the bottom-hole cement using a CO2-soluble isotope.	0	Never
Mechanical Integrity Tests	F-5	External mechanical integrity tests to detect flow adjacent to well using temperature or noise log at least annually.	2	Annual
Mechanical Integrity Tests	F-6	External mechanical integrity tests to detect flow adjacent to well using temperature or noise log at least every 6 months.	0	Never
Mechanical Integrity Tests	F-7	Conduct pressure fall-off test.	3	Every 5 yrs
Mechanical Integrity Tests	F-8	Conduct pressure fall-off test.	0	Never
Mechanical Integrity Tests	F-9	G&A	1	One-time
Closure and Post-Injection Care	G-3	Perform a mechanical integrity test prior to plugging to evaluate integrity of casing and cement to remain in ground.	8	Post Injection, One-time
Closure and Post-Injection Care	G-7	Document plugging and closure process (well plugging, post-injection plans, notification of intent to close, and post closure report).	1	One-time
Closure and Post-Injection Care	G-8a	Post-closure O&M for monitoring wells stopping above injection zone.	9	Post Injection, Annual
Closure and Post-Injection Care	G-8b	Post-closure O&M for monitoring wells drilling into injection zone.	9	Post Injection, Annual
Closure and Post-Injection Care	G-9	Post-injection air and soil surveys.	11	Post Injection, Every 5 yrs
Closure and Post-Injection Care	G-10	Post-injection seismic survey (conducted for 10 years for RA0-2, 50 years for RA3 and 100 years for RA4).	11	Post Injection, Every 5 yrs
Closure and Post-Injection Care	G-11	Periodic post-injection monitoring reports to regulators (conducted for 50 yrs for RA3, 100 years for RA4, 10 years for all others).	11	Post Injection, Every 5 yrs
Closure and Post-Injection Care	G-12	G&A	1	One-time
Financial Responsibility	H-1	Performance bond or demonstrate financial ability (accounting for inflation) to close site.	8	Post Injection, One-time
Financial Responsibility	H-2	Performance bond or demonstrate financial ability (accounting for inflation) for post-injection monitoring and remediation.	1	One-time
Financial Responsibility	H-3	G&A	1	One-time

Notes:

The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(A) - (E): GS Rule Cost Model.

Exhibit A.1.2: ICR Owners and Operators Activities for Saline Pilot Projects (RA 3 Net)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B		D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	\$	-	\$	-
A-2	-	0.0	-	-	-	-	\$	-	\$	-
A-3	-	0.0	-	-	60.0	-	\$	-	\$	-
A-4	-	0.0	-	-	-	-	\$	-	\$	-
A-5	-	0.0	-	-	-	-	\$	-	\$	-
A-6	-	0.0	-	-	120.0	-	\$	-	\$	-
A-7	-	0.0	-	-	-	-	\$	-	\$	-
A-8	-	0.0	-	-	-	-	\$	-	\$	-
A-9	-	0.0	-	-	120.0	-	\$	-	\$	-
A-10	-	0.0	-	-	240.0	-	\$	-	\$	-
A-11	-	0.0	-	-	-	-	\$	-	\$	-
A-12	-	0.0	-	-	45.5	-	\$	-	\$	-
A-13	-	0.0	-	-	-	-	\$	-	\$	-
A-14	-	0.0	-	-	-	-	\$	-	\$	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-
B-1	-	0.0	-	-	-	-	\$	-	\$	-
B-2	-	0.0	-	-	-	-	\$	-	\$	-
B-3a	-	0.0	-	-	-	-	\$	-	\$	-
B-3b	-	0.0	-	-	-	-	\$	-	\$	-
B-4a	-	0.0	-	-	-	-	\$	-	\$	-
B-4b	-	0.0	-	-	-	-	\$	-	\$	-
B-5	-	0.0	-	-	-	-	\$	-	\$	-
B-6	-	0.0	-	-	-	-	\$	-	\$	-
B-7	-	0.0	-	-	-	-	\$	-	\$	-
B-8	-	0.0	-	-	-	-	\$	-	\$	-
B-9a	-	0.0	-	-	-	-	\$	-	\$	-
B-9b	-	0.0	-	-	-	-	\$	-	\$	-
B-10a	-	0.0	-	-	-	-	\$	-	\$	-
B-10b	-	0.0	-	-	-	-	\$	-	\$	-
B-10c	-	0.0	-	-	-	-	\$	-	\$	-
B-11a	-	0.0	-	-	-	-	\$	-	\$	-
B-11b	-	0.0	-	-	-	-	\$	-	\$	-
B-11c	-	0.0	-	-	-	-	\$	-	\$	-
B-11d	-	0.0	-	-	-	-	\$	-	\$	-
B-11e	-	0.0	-	-	-	-	\$	-	\$	-
B-11f	-	0.0	-	-	30.0	-	\$	-	\$	-
B-12	-	0.0	-	3.0	-	-	\$	-	\$	-
B-13	-	0.0	-	-	-	-	\$	-	\$	-
B-14a	-	0.0	-	-	-	-	\$	-	\$	-
B-14b	-	0.0	-	-	-	-	\$	-	\$	-
B-14c	-	0.0	-	-	-	-	\$	-	\$	-
B-15a	-	0.0	-	-	-	-	\$	-	\$	-
B-15b	-	0.0	-	-	-	-	\$	-	\$	-
B-15c	-	0.0	-	-	-	-	\$	-	\$	-
B-15d	-	0.0	-	-	-	-	\$	-	\$	-
B-15e	-	0.0	-	-	-	-	\$	-	\$	-
B-15f	-	0.0	-	-	-	-	\$	-	\$	-
B-16	-	0.0	-	-	-	-	\$	-	\$	-
B-17	-	0.0	-	-	-	-	\$	-	\$	-
B-18	-	0.0	-	279.0	-	-	\$	-	\$	-
B-19	-	0.0	-	-	-	-	\$	-	\$	-
B-20	-	0.0	-	23.3	-	-	\$	-	\$	-
B-21	-	0.0	-	-	-	-	\$	-	\$	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-
C-4	-	0.0	-	-	-	-	\$	-	\$	-
C-5	-	0.0	-	-	-	-	\$	-	\$	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-
D-1	-	0.0	-	-	-	-	\$	-	\$	-
D-2	-	0.0	-	-	-	-	\$	-	\$	-
D-3	-	0.0	-	-	-	-	\$	-	\$	-
D-4	-	0.0	-	-	-	-	\$	-	\$	-
D-5	-	0.0	-	-	-	-	\$	-	\$	-
D-6	-	0.0	-	-	-	-	\$	-	\$	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-
E-1	-	0.0	-	18.0	-	-	\$	-	\$	-
E-2	-	0.0	-	13.5	-	-	\$	-	\$	-
E-3	-	0.0	-	-	-	-	\$	-	\$	-
E-4	-	0.0	-	-	-	-	\$	-	\$	-
E-10	-	0.0	-	-	-	-	\$	-	\$	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-
F-1	-	0.0	-	-	-	-	\$	-	\$	-
F-2	-	0.0	-	-	-	-	\$	-	\$	-
F-3	-	0.0	-	-	-	-	\$	-	\$	-
F-4	-	0.0	-	-	-	-	\$	-	\$	-
F-5	-	0.0	-	-	-	-	\$	-	\$	-
F-6	-	0.0	-	-	-	-	\$	-	\$	-
F-7	-	0.0	-	-	-	-	\$	-	\$	-
F-8	-	0.0	-	-	-	-	\$	-	\$	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-
G-3	-	0.0	-	-	-	-	\$	-	\$	-
G-7	-	0.0	-	60.0	-	-	\$	-	\$	-
G-8a	-	0.0	-	-	-	-	\$	-	\$	-
G-8b	-	0.0	-	-	-	-	\$	-	\$	-
G-9	-	0.0	-	-	-	-	\$	-	\$	-
G-10	-	0.0	-	-	-	-	\$	-	\$	-
G-11	-	0.0	-	40.0	-	-	\$	-	\$	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-
H-1	-	0.0	-	-	-	-	\$	-	\$	-
H-2	-	0.0	-	4.0	-	-	\$	-	\$	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-
Total	-	n/a	n/a	n/a	n/a	n/a	\$	-	\$	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.2: ICR Owners and Operators Activities for Saline Pilot Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	60.0	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	120.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	120.0	-	-	-	-	-
A-10	-	0.0	-	-	240.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	45.5	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	1.0	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	30.0	-	-	-	-	-
B-12	-	0.0	-	3.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	279.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	18.0	-	-	-	-	-	-
E-2	-	0.0	-	13.5	-	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	-	-	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	-	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.2: ICR Owners and Operators Activities for Saline Pilot Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	60.0	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	120.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	120.0	-	-	-	-	-
A-10	-	0.0	-	-	240.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	45.5	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	1.0	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	30.0	-	-	-	-	-
B-12	-	0.0	-	3.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	279.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	18.0	-	-	-	-	-	-
E-2	-	0.0	-	13.5	-	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	-	-	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	-	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 3 Net)

ID#	# of Respondents	Responses/ Respondent	Year 1							Total O&M Cost (\$)	Total Cost (\$)
			Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)		
A	B		D=B*C	E	F	G=(E+F)*	H	I	J	K=H+I+J	
A-1	-	0.0	-	-	-	-	-	-	-	-	
A-2	-	0.0	-	-	-	-	-	-	-	-	
A-3	-	0.0	-	-	60.0	-	-	-	-	-	
A-4	-	0.0	-	-	-	-	-	-	-	-	
A-5	-	0.0	-	-	-	-	-	-	-	-	
A-6	-	0.0	-	-	120.0	-	-	-	-	-	
A-7	-	0.0	-	-	-	-	-	-	-	-	
A-8	-	0.0	-	-	-	-	-	-	-	-	
A-9	-	0.0	-	-	120.0	-	-	-	-	-	
A-10	-	0.0	-	-	240.0	-	-	-	-	-	
A-11	-	0.0	-	-	-	-	-	-	-	-	
A-12	-	0.0	-	-	1,117.2	-	-	-	-	-	
A-13	-	0.0	-	-	-	-	-	-	-	-	
A-14	-	0.0	-	-	-	-	-	-	-	-	
A-15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
B-1	-	0.0	-	-	-	-	-	-	-	-	
B-2	-	0.0	-	-	-	-	-	-	-	-	
B-3a	-	0.0	-	-	-	-	-	-	-	-	
B-3b	-	0.0	-	-	-	-	-	-	-	-	
B-4a	-	0.0	-	-	-	-	-	-	-	-	
B-4b	-	0.0	-	-	-	-	-	-	-	-	
B-5	-	0.0	-	-	-	-	-	-	-	-	
B-6	-	0.0	-	-	-	-	-	-	-	-	
B-7	-	0.0	-	-	-	-	-	-	-	-	
B-8	-	0.0	-	-	-	-	-	-	-	-	
B-9a	-	0.0	-	-	-	-	-	-	-	-	
B-9b	-	0.0	-	-	-	-	-	-	-	-	
B-10a	-	0.0	-	-	-	-	-	-	-	-	
B-10b	-	0.0	-	-	-	-	-	-	-	-	
B-10c	-	0.0	-	-	-	-	-	-	-	-	
B-11a	-	0.0	-	-	-	-	-	-	-	-	
B-11b	-	0.0	-	-	-	-	-	-	-	-	
B-11c	-	0.0	-	-	-	-	-	-	-	-	
B-11d	-	0.0	-	-	-	-	-	-	-	-	
B-11e	-	0.0	-	-	-	-	-	-	-	-	
B-11f	-	0.0	-	-	30.0	-	-	-	-	-	
B-12	-	0.0	-	17.0	-	-	-	-	-	-	
B-13	-	0.0	-	-	-	-	-	-	-	-	
B-14a	-	0.0	-	-	-	-	-	-	-	-	
B-14b	-	0.0	-	-	-	-	-	-	-	-	
B-14c	-	0.0	-	-	-	-	-	-	-	-	
B-14d	-	0.0	-	-	-	-	-	-	-	-	
B-15a	-	0.0	-	-	-	-	-	-	-	-	
B-15b	-	0.0	-	-	-	-	-	-	-	-	
B-15c	-	0.0	-	-	-	-	-	-	-	-	
B-15d	-	0.0	-	-	-	-	-	-	-	-	
B-15e	-	0.0	-	-	-	-	-	-	-	-	
B-15f	-	0.0	-	-	-	-	-	-	-	-	
B-16	-	0.0	-	-	-	-	-	-	-	-	
B-17	-	0.0	-	-	-	-	-	-	-	-	
B-18	-	0.0	-	327.0	-	-	-	-	-	-	
B-19	-	0.0	-	-	-	-	-	-	-	-	
B-20	-	0.0	-	23.3	-	-	-	-	-	-	
B-21	-	0.0	-	-	-	-	-	-	-	-	
B-22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
C-4	-	0.0	-	-	-	-	-	-	-	-	
C-5	-	0.0	-	-	-	-	-	-	-	-	
C-17	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
D-1	-	0.0	-	-	-	-	-	-	-	-	
D-2	-	0.0	-	-	-	-	-	-	-	-	
D-3	-	0.0	-	-	-	-	-	-	-	-	
D-4	-	0.0	-	-	-	-	-	-	-	-	
D-5	-	0.0	-	-	-	-	-	-	-	-	
D-6	-	0.0	-	-	-	-	-	-	-	-	
D-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
E-1	-	0.0	-	18.0	-	-	-	-	-	-	
E-2	-	0.0	-	18.0	-	-	-	-	-	-	
E-3	-	0.0	-	-	-	-	-	-	-	-	
E-4	-	0.0	-	-	-	-	-	-	-	-	
E-10	-	0.0	-	-	-	-	-	-	-	-	
E-14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
F-1	-	0.0	-	-	-	-	-	-	-	-	
F-2	-	0.0	-	-	-	-	-	-	-	-	
F-3	-	0.0	-	-	-	-	-	-	-	-	
F-4	-	0.0	-	-	-	-	-	-	-	-	
F-5	-	0.0	-	-	-	-	-	-	-	-	
F-6	-	0.0	-	-	-	-	-	-	-	-	
F-7	-	0.0	-	-	-	-	-	-	-	-	
F-8	-	0.0	-	-	-	-	-	-	-	-	
F-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
G-3	-	0.0	-	-	-	-	-	-	-	-	
G-7	-	0.0	-	60.0	-	-	-	-	-	-	
G-8a	-	0.0	-	-	-	-	-	-	-	-	
G-8b	-	0.0	-	-	-	-	-	-	-	-	
G-9	-	0.0	-	-	-	-	-	-	-	-	
G-10	-	0.0	-	-	-	-	-	-	-	-	
G-11	-	0.0	-	40.0	-	-	-	-	-	-	
G-12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
H-1	-	0.0	-	-	-	-	-	-	-	-	
H-2	-	0.0	-	4.0	-	-	-	-	-	-	
H-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Total	-	n/a	-	n/a	n/a	-	-	-	-	-	

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden Engineer (hrs)	Unit Burden Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	0.90	0.0	-	-	-	-	-	-	-	-
A-2	0.90	0.0	-	-	-	-	-	-	\$ 2,069,699	\$ 2,069,699
A-3	0.90	0.0	-	-	60.0	51.3	\$ 5,501	-	-	\$ 5,501
A-4	0.90	0.0	-	-	-	-	-	-	-	-
A-5	0.90	0.0	-	-	-	-	-	-	-	-
A-6	0.90	0.0	-	-	120.0	102.6	\$ 11,002	-	-	\$ 11,002
A-7	0.90	0.0	-	-	-	-	-	-	\$ 639,455	\$ 639,455
A-8	0.90	0.0	-	-	-	-	-	-	-	-
A-9	0.90	0.0	-	-	120.0	102.6	\$ 11,002	-	-	\$ 11,002
A-10	0.90	0.0	-	-	240.0	205.2	\$ 22,004	-	\$ 8,807	\$ 30,811
A-11	0.90	0.0	-	-	-	-	-	-	-	-
A-12	0.90	1.0	0.86	-	1,117.2	955.2	\$ 102,433	-	-	\$ 102,433
A-13	0.90	0.0	-	-	-	-	-	-	-	-
A-14	0.90	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 30,388	-	\$ 543,592	\$ 573,980
B-1	0.86	0.0	-	-	-	-	-	-	\$ 2,124	\$ 2,124
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	0.86	0.0	-	-	-	-	-	-	\$ 26,209	\$ 26,209
B-3b	0.86	1.0	0.86	-	-	-	-	-	\$ 25,871	\$ 25,871
B-4a	0.86	0.0	-	-	-	-	-	-	\$ 25,871	\$ 25,871
B-4b	0.86	1.0	0.86	-	-	-	-	-	\$ 51,742	\$ 51,742
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	0.86	0.0	-	-	-	-	-	-	-	-
B-7	0.86	0.0	-	-	-	-	-	\$ 1,210,228	-	\$ 1,210,228
B-8	0.86	1.0	0.86	-	-	-	-	\$ 5,449,798	-	\$ 5,449,798
B-9a	0.86	0.0	-	-	-	-	-	\$ 25,871	-	\$ 25,871
B-9b	0.86	1.0	0.86	-	-	-	-	\$ 51,742	-	\$ 51,742
B-10a	0.86	0.0	-	-	-	-	-	\$ 25,871	-	\$ 25,871
B-10b	0.86	1.0	0.86	-	-	-	-	\$ 51,742	-	\$ 51,742
B-10c	0.86	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	0.86	0.0	-	-	30.0	25.7	\$ 2,751	-	\$ 51,300	\$ 54,051
B-12	-	0.0	-	17.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	327.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 550	\$ 1,363,051	\$ 36,624	\$ 1,400,225
C-4	0.86	0.0	-	-	-	-	-	-	-	-
C-5	0.90	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	0.86	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	0.86	0.0	-	-	-	-	-	-	-	-
D-5	0.86	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	0.86	0.0	-	18.0	-	15.4	\$ 1,703	-	-	\$ 1,703
E-2	-	0.0	-	18.0	-	-	-	-	-	-
E-3	0.86	0.0	-	-	-	-	-	-	-	-
E-4	0.86	1.0	0.86	-	-	-	-	\$ 8,892	-	\$ 8,892
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 341	\$ 1,778	-	\$ 2,119
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	0.86	0.0	-	-	-	-	\$ 5,675	-	-	\$ 5,675
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 1,135	-	-	\$ 1,135
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	0.86	1.0	0.86	4.0	-	3.4	\$ 378	-	-	\$ 378
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ 76	-	-	\$ 76
Total	0.90	n/a	6.84	n/a	n/a	1,461.4	\$ 194,938	\$ 8,188,975	\$ 3,481,294	\$ 11,865,207

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden Engineer (hrs)	Unit Burden Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	0.90	0.0	-	-	-	-	-	-	-	-
A-2	0.90	0.0	-	-	-	-	-	-	\$ 2,069,699	\$ 2,069,699
A-3	0.90	0.0	-	-	60.0	51.3	\$ 5,501	-	-	\$ 5,501
A-4	0.90	0.0	-	-	-	-	-	-	-	-
A-5	0.90	0.0	-	-	-	-	-	-	-	-
A-6	0.90	0.0	-	-	120.0	102.6	\$ 11,002	-	-	\$ 11,002
A-7	0.90	0.0	-	-	-	-	-	-	\$ 639,455	\$ 639,455
A-8	0.90	0.0	-	-	-	-	-	-	-	-
A-9	0.90	0.0	-	-	120.0	102.6	\$ 11,002	-	-	\$ 11,002
A-10	0.90	0.0	-	-	240.0	205.2	\$ 22,004	-	\$ 8,807	\$ 30,811
A-11	0.90	0.0	-	-	-	-	-	-	-	-
A-12	0.90	1.0	0.86	-	1,117.2	955.2	\$ 102,433	-	-	\$ 102,433
A-13	0.90	0.0	-	-	-	-	-	-	-	-
A-14	0.90	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 30,388	-	\$ 543,592	\$ 573,980
B-1	0.86	0.0	-	-	-	-	-	-	\$ 2,124	\$ 2,124
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	0.86	0.0	-	-	-	-	-	-	\$ 26,209	\$ 26,209
B-3b	0.86	1.0	0.86	-	-	-	-	-	\$ 25,871	\$ 25,871
B-4a	0.86	0.0	-	-	-	-	-	-	\$ 25,871	\$ 25,871
B-4b	0.86	1.0	0.86	-	-	-	-	-	\$ 51,742	\$ 51,742
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	0.86	0.0	-	-	-	-	-	-	-	-
B-7	0.86	0.0	-	-	-	-	-	\$ 1,210,228	-	\$ 1,210,228
B-8	0.86	1.0	0.86	-	-	-	-	\$ 5,449,798	-	\$ 5,449,798
B-9a	0.86	0.0	-	-	-	-	-	\$ 25,871	-	\$ 25,871
B-9b	0.86	1.0	0.86	-	-	-	-	\$ 51,742	-	\$ 51,742
B-10a	0.86	0.0	-	-	-	-	-	\$ 25,871	-	\$ 25,871
B-10b	0.86	1.0	0.86	-	-	-	-	\$ 51,742	-	\$ 51,742
B-10c	0.86	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	0.86	0.0	-	-	30.0	25.7	\$ 2,751	-	\$ 51,300	\$ 54,051
B-12	0.86	0.0	-	17.0	-	174.0	\$ 19,246	-	\$ 69,591	\$ 88,838
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	0.86	0.0	-	-	-	-	-	-	\$ 99,132	\$ 99,132
B-14b	0.86	1.0	0.86	-	-	-	-	-	\$ 257,643	\$ 257,643
B-14c	0.86	0.0	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	327.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	0.86	-2.0	(1.71)	23.3	-	23.1	\$ 2,554	-	-	\$ 2,554
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 4,910	\$ 1,363,051	\$ 121,897	\$ 1,489,858
C-4	0.86	0.0	-	-	-	-	-	-	-	-
C-5	0.90	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	0.86	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	0.86	0.0	-	-	-	-	-	-	-	-
D-5	0.86	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	0.86	0.0	-	18.0	-	15.4	\$ 1,703	-	-	\$ 1,703
E-2	0.86	0.0	-	18.0	-	61.6	\$ 6,810	-	\$ 12,569	\$ 19,379
E-3	0.86	0.0	-	-	-	-	-	-	-	-
E-4	0.86	1.0	0.86	-	-	-	-	\$ 8,892	-	\$ 8,892
E-10	0.86	1.0	0.86	-	-	-	-	-	\$ 19,696	\$ 19,696
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 1,703	\$ 1,778	\$ 6,453	\$ 9,934
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	0.86	0.0	-	-	-	-	-	-	\$ 4,446	\$ 4,446
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	0.86	1.0	0.86	-	-	-	-	-	\$ 63,860	\$ 63,860
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	\$ 13,661	\$ 13,661
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	0.86	0.0	-	-	-	-	\$ 5,675	-	-	\$ 5,675
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 1,135	-	-	\$ 1,135
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	0.86	1.0	0.86	4.0	-	3.4	\$ 378	-	-	\$ 378
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ 76	-	-	\$ 76
Total	1.76	n/a	7.70	n/a	n/a	1,720.0	\$ 229,270	\$ 8,188,975	\$ 4,113,617	\$ 12,531,862

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 3 Net)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	B		D=B*C	E	F	G=(E+F)*	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	120.0	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	240.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	480.0	-	-	-	-	-
A-10	-	0.0	-	-	720.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	2,287.1	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	45.0	-	-	-	-	-
B-12	-	0.0	-	38.2	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	490.5	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	18.0	-	-	-	-	-	-
E-2	-	0.0	-	18.0	-	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	60.0	-	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	n/a	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	n/a	n/a	n/a	n/a	-	-	-	-

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	0.10	0.5	0.05	-	-	22.8	\$ 2,445	\$ -	\$ -	\$ 2,445
A-2	0.10	0.5	0.05	-	-	-	\$ -	\$ -	\$ 706,157	\$ 706,157
A-3	0.10	0.5	0.05	-	120.0	22.8	\$ 2,445	\$ -	\$ -	\$ 2,445
A-4	0.10	0.5	0.05	-	-	-	\$ -	\$ -	\$ 6,519	\$ 6,519
A-5	0.10	0.5	0.05	-	-	9.1	\$ 978	\$ -	\$ -	\$ 978
A-6	0.10	0.5	0.05	-	240.0	34.2	\$ 3,667	\$ -	\$ -	\$ 3,667
A-7	0.10	0.5	0.05	-	-	-	\$ -	\$ -	\$ 85,044	\$ 85,044
A-8	0.10	0.5	0.05	-	-	9.1	\$ 978	\$ -	\$ -	\$ 978
A-9	0.10	0.5	0.05	-	480.0	45.6	\$ 4,890	\$ -	\$ -	\$ 4,890
A-10	0.10	0.5	0.05	-	720.0	68.4	\$ 7,335	\$ -	\$ 2,936	\$ 10,270
A-11	0.10	0.5	0.05	-	-	108.6	\$ 11,650	\$ -	\$ -	\$ 11,650
A-12	0.10	0.5	0.05	-	2,287.1	108.6	\$ 11,650	\$ -	\$ -	\$ 11,650
A-13	0.10	0.5	0.05	-	-	81.5	\$ 8,737	\$ -	\$ -	\$ 8,737
A-14	0.10	0.5	0.05	-	-	114.0	\$ 12,224	\$ -	\$ -	\$ 12,224
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 13,400	\$ -	\$ 160,131	\$ 173,531
B-1	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 236	\$ 236
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,139	\$ 3,139
B-3b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 2,156	\$ 2,156
B-4a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,312	\$ 4,312
B-4b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,312	\$ 4,312
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	0.05	1.0	0.05	-	-	-	\$ -	\$ 24	\$ -	\$ 24
B-7	0.05	1.0	0.05	-	-	-	\$ -	\$ 212,911	\$ -	\$ 212,911
B-8	0.05	1.0	0.05	-	-	-	\$ -	\$ 217,393	\$ -	\$ 217,393
B-9a	0.05	1.0	0.05	-	-	-	\$ -	\$ 8,624	\$ -	\$ 8,624
B-9b	0.05	1.0	0.05	-	-	-	\$ -	\$ 4,312	\$ -	\$ 4,312
B-10a	0.05	1.0	0.05	-	-	-	\$ -	\$ 8,624	\$ -	\$ 8,624
B-10b	0.05	1.0	0.05	-	-	-	\$ -	\$ 4,312	\$ -	\$ 4,312
B-10c	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	0.05	1.0	0.05	-	45.0	2.9	\$ 306	\$ -	\$ 5,700	\$ 6,006
B-12	-	0.0	-	38.2	-	-	\$ -	\$ -	\$ -	\$ -
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	0.0	-	490.5	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	-	0.0	-	23.3	-	-	\$ -	\$ -	\$ -	\$ -
B-21	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 61	\$ 91,240	\$ 3,971	\$ 95,272
C-4	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 28,337	\$ 28,337
C-5	0.10	0.5	0.05	-	-	-	\$ -	\$ -	\$ 4,902	\$ 4,902
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 6,648	\$ 6,648
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	0.05	1.0	0.05	-	-	13.1	\$ 1,450	\$ -	\$ -	\$ 1,450
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,805	\$ 3,805
D-5	0.05	1.0	0.05	-	-	7.9	\$ 873	\$ -	\$ -	\$ 873
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ 465	\$ -	\$ 761	\$ 1,226
E-1	0.05	1.0	0.05	18.0	-	1.1	\$ 126	\$ -	\$ -	\$ 126
E-2	-	0.0	-	18.0	-	-	\$ -	\$ -	\$ -	\$ -
E-3	0.05	1.0	0.05	-	-	-	\$ -	\$ 2,945	\$ -	\$ 2,945
E-4	0.05	1.0	0.05	-	-	-	\$ -	\$ 494	\$ -	\$ 494
E-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 25	\$ 688	\$ -	\$ 713
F-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
G-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	0.05	1.0	0.05	60.0	-	5.7	\$ 631	\$ -	\$ -	\$ 631
G-8a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	0.0	-	40.0	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 126	\$ -	\$ -	\$ 126
H-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
H-2	0.05	1.0	0.05	4.0	-	0.2	\$ 21	\$ -	\$ -	\$ 21
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ 4	\$ -	\$ -	\$ 4
Total	0.10	n/a	1.81	n/a	n/a	655.7	\$ 84,486	\$ 551,565	\$ 1,029,064	\$ 1,665,116

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	0.10	0.5	0.05	-	-	22.8	\$ 2,445	\$ -	\$ -	\$ 2,445
A-2	0.10	0.5	0.05	-	-	-	\$ -	\$ -	\$ 706,157	\$ 706,157
A-3	0.10	0.5	0.05	-	120.0	22.8	\$ 2,445	\$ -	\$ -	\$ 2,445
A-4	0.10	0.5	0.05	-	-	-	\$ -	\$ -	\$ 6,519	\$ 6,519
A-5	0.10	0.5	0.05	-	-	9.1	\$ 978	\$ -	\$ -	\$ 978
A-6	0.10	0.5	0.05	-	240.0	34.2	\$ 3,667	\$ -	\$ -	\$ 3,667
A-7	0.10	0.5	0.05	-	-	-	\$ -	\$ -	\$ 85,044	\$ 85,044
A-8	0.10	0.5	0.05	-	-	9.1	\$ 978	\$ -	\$ -	\$ 978
A-9	0.10	0.5	0.05	-	480.0	45.6	\$ 4,890	\$ -	\$ -	\$ 4,890
A-10	0.10	0.5	0.05	-	720.0	68.4	\$ 7,335	\$ -	\$ 2,936	\$ 10,270
A-11	0.10	0.5	0.05	-	-	108.6	\$ 11,650	\$ -	\$ -	\$ 11,650
A-12	0.10	0.5	0.05	-	2,287.1	108.6	\$ 11,650	\$ -	\$ -	\$ 11,650
A-13	0.10	0.5	0.05	-	-	81.5	\$ 8,737	\$ -	\$ -	\$ 8,737
A-14	0.10	0.5	0.05	-	-	114.0	\$ 12,224	\$ -	\$ -	\$ 12,224
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 13,400	\$ -	\$ 160,131	\$ 173,531
B-1	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 236	\$ 236
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,139	\$ 3,139
B-3b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 2,156	\$ 2,156
B-4a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,312	\$ 4,312
B-4b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,312	\$ 4,312
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	0.05	1.0	0.05	-	-	-	\$ -	\$ 24	\$ -	\$ 24
B-7	0.05	1.0	0.05	-	-	-	\$ -	\$ 212,911	\$ -	\$ 212,911
B-8	0.05	1.0	0.05	-	-	-	\$ -	\$ 217,393	\$ -	\$ 217,393
B-9a	0.05	1.0	0.05	-	-	-	\$ -	\$ 8,624	\$ -	\$ 8,624
B-9b	0.05	1.0	0.05	-	-	-	\$ -	\$ 4,312	\$ -	\$ 4,312
B-10a	0.05	1.0	0.05	-	-	-	\$ -	\$ 8,624	\$ -	\$ 8,624
B-10b	0.05	1.0	0.05	-	-	-	\$ -	\$ 4,312	\$ -	\$ 4,312
B-10c	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	0.05	1.0	0.05	-	45.0	2.9	\$ 306	\$ -	\$ 5,700	\$ 6,006
B-12	0.05	12.0	0.57	38.2	-	29.9	\$ 3,302	\$ -	\$ 11,941	\$ 15,243
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 16,843	\$ 16,843
B-14b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 16,972	\$ 16,972
B-14c	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	0.0	-	490.5	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	0.05	2.0	0.10	23.3	-	3.1	\$ 347	\$ -	\$ -	\$ 347
B-21	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 791	\$ 91,240	\$ 13,122	\$ 105,153
C-4	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 28,337	\$ 28,337
C-5	0.10	0.5	0.05	-	-	-	\$ -	\$ -	\$ 4,902	\$ 4,902
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 6,648	\$ 6,648
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	0.05	1.0	0.05	-	-	13.1	\$ 1,450	\$ -	\$ -	\$ 1,450
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,805	\$ 3,805
D-5	0.05	1.0	0.05	-	-	7.9	\$ 873	\$ -	\$ -	\$ 873
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ 465	\$ -	\$ 761	\$ 1,226
E-1	0.05	1.0	0.05	18.0	-	1.1	\$ 126	\$ -	\$ -	\$ 126
E-2	0.05	4.0	0.19	18.0	-	4.6	\$ 504	\$ -	\$ 931	\$ 1,435
E-3	0.05	1.0	0.05	-	-	-	\$ -	\$ 2,945	\$ -	\$ 2,945
E-4	0.05	1.0	0.05	-	-	-	\$ -	\$ 494	\$ -	\$ 494
E-10	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 1,094	\$ 1,094
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 126	\$ 688	\$ 405	\$ 1,219
F-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 741	\$ 741
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,252	\$ 3,252
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 799	\$ 799
G-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	0.05	1.0	0.05	60.0	-	5.7	\$ 631	\$ -	\$ -	\$ 631
G-8a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	0.0	-	40.0	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 126	\$ -	\$ -	\$ 126
H-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
H-2	0.05	1.0	0.05	4.0	-	0.2	\$ 21	\$ -	\$ -	\$ 21
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ 4	\$ -	\$ -	\$ 4
Total	0.15	n/a	2.95	n/a	n/a	693.3	\$ 89,471	\$ 551,565	\$ 1,091,193	\$ 1,732,228

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 3 Net)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	B		D=B*C	E	F	G=(E+F)*	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	-	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	3.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	15.0	-	-	-	-	-
A-10	-	0.0	-	-	60.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	10.0	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	30.0	-	-	-	-	-
B-12	-	0.0	-	5.8	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	44.1	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	95.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	-	18.0	-	-	-	-	-
E-2	-	0.0	-	-	76.5	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	60.0	-	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	n/a	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	-	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	3.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	15.0	-	-	-	-	-
A-10	-	0.0	-	-	60.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	10.0	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	30.0	-	-	-	-	-
B-12	-	0.0	-	5.8	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	44.1	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	951.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	18.0	-	-	-	-	-	-
E-2	-	0.0	-	76.5	-	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	60.0	-	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	-	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	n/a	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	-	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	3.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	15.0	-	-	-	-	-
A-10	-	0.0	-	-	60.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	10.0	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	30.0	-	-	-	-	-
B-12	-	0.0	-	5.8	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	44.1	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	951.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	18.0	-	-	-	-	-	-
E-2	-	0.0	-	76.5	-	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	60.0	-	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	-	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	n/a	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 3 Net)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	B		D=B*C	E	F	G=(E+F)*	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	-	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	6.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	60.0	-	-	-	-	-
A-10	-	0.0	-	-	180.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	19.8	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	45.0	-	-	-	-	-
B-12	-	0.0	-	13.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	132.3	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	1,354.5	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	-	18.0	-	-	-	-	-
E-2	-	0.0	-	-	72.0	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	-	60.0	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	40.0	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	n/a	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	-	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	6.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	60.0	-	-	-	-	-
A-10	-	0.0	-	-	180.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	19.8	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	45.0	-	-	-	-	-
B-12	-	0.0	-	13.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	132.3	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	1,354.5	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	18.0	-	-	-	-	-	-
E-2	-	0.0	-	72.0	-	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	60.0	-	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	-	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	n/a	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	0.0	-	-	-	-	-	-	-	-
A-2	-	0.0	-	-	-	-	-	-	-	-
A-3	-	0.0	-	-	-	-	-	-	-	-
A-4	-	0.0	-	-	-	-	-	-	-	-
A-5	-	0.0	-	-	-	-	-	-	-	-
A-6	-	0.0	-	-	6.0	-	-	-	-	-
A-7	-	0.0	-	-	-	-	-	-	-	-
A-8	-	0.0	-	-	-	-	-	-	-	-
A-9	-	0.0	-	-	60.0	-	-	-	-	-
A-10	-	0.0	-	-	180.0	-	-	-	-	-
A-11	-	0.0	-	-	-	-	-	-	-	-
A-12	-	0.0	-	-	19.8	-	-	-	-	-
A-13	-	0.0	-	-	-	-	-	-	-	-
A-14	-	0.0	-	-	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	0.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	0.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	0.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	0.0	-	-	-	-	-	-	-	-
B-7	-	0.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	0.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	0.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	0.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	45.0	-	-	-	-	-
B-12	-	0.0	-	13.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	0.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	0.0	-	132.3	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	0.0	-	1,354.5	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	0.0	-	23.3	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	0.0	-	-	-	-	-	-	-	-
C-5	-	0.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	0.0	-	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	0.0	-	-	-	-	-	-	-	-
D-5	-	0.0	-	-	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	0.0	-	18.0	-	-	-	-	-	-
E-2	-	0.0	-	72.0	-	-	-	-	-	-
E-3	-	0.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	0.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	0.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	0.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	0.0	-	-	-	-	-	-	-	-
G-7	-	0.0	-	60.0	-	-	-	-	-	-
G-8a	-	0.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	0.0	-	-	-	-	-	-	-	-
H-2	-	0.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	n/a	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Appendix A.2: Permitting Authorities and Agency (RA 3 Net)

Exhibit A.2.1: Activity Key for Permitting Authorities and Agency

ICR Activity	ID#	Sub Categories/Notes	Periodicity Code	Periodicity
A	B	C	D	E
Permitting Authority	I-1a	Administration (Staff Training, Rule Implementation).	1	One-time
Agency	I-1b	Federal Systems Updates.	2	Annual
Permitting Authority	I-2a	Review information required in general UIC permit (Includes initial review of closure and post-closure plans).	1	One-time
Permitting Authority	I-2b	Permitting Authority: review waiver applications.	1	One-time
Agency	I-2c	Federal level: review waiver applications for those originally reviewed by State/Tribe/Territory having primacy.	1	One-time
Permitting Authority	I-3	Review financial assurance of capacity to properly close, plug, and abandon well.	1	One-time
Permitting Authority	I-4	Review financial assurance of capacity to provide post-closure care.	1	One-time
Permitting Authority	I-5	Second review of proposed closure plan required by §146.92(b).	1	One-time
Permitting Authority	I-6	Second review of proposed post-closure care plan required by §146.93(a).	1	One-time
Permitting Authority	I-7	Review emergency response plan required by §146.94(a).	1	One-time
Permitting Authority	I-8	Review proposed remedial response plan required by §146.94(b).	1	One-time
Permitting Authority	I-9	Review information required in § 146.82(b)1 prior to issuing permit.	1	One-time
Permitting Authority	I-10	Review information required under § 146.86(b)(1) to determine and specify casing and cementing requirements.2	1	One-time
Permitting Authority	I-11	Review information required under § 146.86(c)(2) to determine and specify tubing and packer requirements.3	1	One-time
Permitting Authority	I-12	Evaluate mechanical integrity based on monitoring tests conducted since the last such evaluation and other mechanical integrity data.	1	One-time
Permitting Authority	I-13	Witness logging and testing.	1	One-time
Permitting Authority	I-14	Review construction procedures.	1	One-time
Permitting Authority	I-15	Review proposed injection procedure.	1	One-time
Permitting Authority	I-16	Review schematics of proposed wells.	1	One-time
Permitting Authority	I-17	Review contingency plans.	1	One-time
Permitting Authority	I-18	Review plans (including maps) for meeting monitoring requirements.	1	One-time
Permitting Authority	I-19	Review the corrective action proposed to be taken under §146.84 for wells within the area of review which penetrate the injection zone but are not properly completed or plugged.	1	One-time
Permitting Authority	I-20	Review of the information described in § 146.82(c) prior to granting approval for plugging and abandonment of a well.1	8	Post Injection, One-time
Permitting Authority	I-21	Analyze the pressure decay and the transient pressures recorded by owner/operator pursuant to §146.90(e) and determine whether the injection activity has conformed with predicted values[§ 146.92(e)(1)].5	3	Every 5 yrs
Permitting Authority	I-22	Review of each project's annual reports submitted by all operators of Class VI wells [§ 146.91]1 and recordkeeping.	0	Never
Permitting Authority	I-23	Review of each project's semi-annual (RA3) or quarterly (RA0) reports submitted by all operators of Class VI wells [§ 146.91]2 and recordkeeping.	2	Annual
Permitting Authority	I-24	Review of each project's monthly reports submitted by all operators of Class VI wells [§ 146.91]3 and recordkeeping.	0	Never
Permitting Authority	I-25	Review AoR modeling update (simple model).	0	Never
Permitting Authority	I-26	Review AoR modeling update (complex model).	3	Every 5 yrs
Permitting Authority/	I-27	Prepare / Review primacy applications.	1	One-time

Sources:

(A) - (E): GS Rule Cost Model.

Notes:

1) Certain events require the owner or operator to notify the state within 24 hours. These are associated with triggers indicating potential endangerment to USDWs and for modeling purposes the reviews of these these reports are included under I-23.

Exhibit A.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 3 Net)

Year 1										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	32.0	1.0	32.0	1,040.0	-	33,280.0	\$ 1,645,363	\$ -	\$ -	\$ 1,645,363
Administration (Staff Training, Rule Implementation).	32.0	1.0	32.0	6.7	5.3	384.0	\$ 18,985	\$ -	\$ -	\$ 18,985
Total	32.0	n/a	64.0	n/a	n/a	33664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = (State labor rate * E + Federal labor rate * F) * D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 3 Net)

Year 1										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	32.0	32.0	90.0	2,880.0	\$ 144,415	\$ -	\$ -	\$ 144,415	
Federal Systems Updates.	1.0	1.0	1.0	4,160.0	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	
Total	1.0	n/a	33.0	n/a	7,040.0	\$ 353,014	\$ -	\$ -	\$ 353,014	

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = Federal labor rate * E * D

Sources:

(B), (E), (H)-(I): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 3 Net, Cont.)

Year 2										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	0.0	0.0	0.0	1040.0	-	-	\$ -	\$ -	\$ -	\$ -
Administration (Staff Training, Rule Implementation).	0.0	0.0	0.0	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
Total	0.0	n/a	0.0	1,046.7	5.3	-	\$ -	\$ -	\$ -	\$ -

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = (State labor rate * E + Federal labor rate * F) * D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 3 Net, Cont.)

Year 2										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	0.0	0.0	90.0	-	\$ -	\$ -	\$ -	\$ -	
Federal Systems Updates.	1.0	1.0	1.0	4,160.0	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	
Total	1.0	n/a	1.0	n/a	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = Federal labor rate * E * D

Sources:

(B), (E), (H)-(I): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 3 Net, Cont.)

Year 3										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	0.0	0.0	0.0	1040.0	-	-	\$ -	\$ -	\$ -	\$ -
Administration (Staff Training, Rule Implementation).	0.0	0.0	0.0	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
Total	0.0	n/a	0.0	1,046.7	5.3	-	\$ -	\$ -	\$ -	\$ -

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = (State labor rate * E + Federal labor rate * F) * D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 3 Net, Cont.)

Year 3										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	0.0	0.0	90.0	-	\$ -	\$ -	\$ -	\$ -	
Federal Systems Updates.	1.0	1.0	1.0	4,160.0	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	
Total	1.0	n/a	1.0	n/a	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = Federal labor rate * E * D

Sources:

(B), (E), (H)-(I): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 3 Net)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B		D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:
 1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
 2. Activity I-2b is not applicable to projects that are not seeking waivers.
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 3 Net)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B		D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:
 1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
 2. Activity I-2b is not applicable to projects that are not seeking waivers.
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 3 Net, Cont.)

Year 2										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-5	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-7	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	0.86	0.0	-	1.7	1.3	2.6	\$ 128	\$ -	\$ -	\$ 128
I-11	0.86	0.0	-	1.7	1.3	2.6	\$ 128	\$ -	\$ -	\$ 128
I-12	0.86	0.0	-	1.1	0.9	1.7	\$ 85	\$ -	\$ -	\$ 85
I-13	0.86	0.0	-	1.1	0.9	1.7	\$ 85	\$ -	\$ -	\$ 85
I-14	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.86	n/a	1.71	n/a	n/a	15.4	\$ 766	\$ -	\$ -	\$ 766

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 3 Net, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-5	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-7	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	0.86	0.0	-	1.7	1.3	2.6	\$ 128	\$ -	\$ -	\$ 128
I-11	0.86	0.0	-	1.7	1.3	2.6	\$ 128	\$ -	\$ -	\$ 128
I-12	0.86	0.0	-	1.1	0.9	1.7	\$ 85	\$ -	\$ -	\$ 85
I-13	0.86	0.0	-	1.1	0.9	1.7	\$ 85	\$ -	\$ -	\$ 85
I-14	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	0.86	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	0.86	0.0	-	0.3	0.2	0.4	\$ 21	\$ -	\$ -	\$ 21
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.86	n/a	1.71	n/a	n/a	15.8	\$ 787	\$ -	\$ -	\$ 787

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 3 Net)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	44.9	35.1	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

2. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 3 Net)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	44.9	-	\$ -	\$ -	\$ -	\$ -

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	0.10	1.0	0.10	44.9	35.1	7.6	\$ 378	\$ -	\$ -	\$ 378
I-3	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-4	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-5	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-6	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-7	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-8	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-9	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-10	0.10	1.0	0.10	1.7	1.3	0.4	\$ 19	\$ -	\$ -	\$ 19
I-11	0.10	1.0	0.10	1.7	1.3	0.4	\$ 19	\$ -	\$ -	\$ 19
I-12	0.10	1.0	0.10	1.1	0.9	0.3	\$ 14	\$ -	\$ -	\$ 14
I-13	0.10	1.0	0.10	1.1	0.9	0.3	\$ 14	\$ -	\$ -	\$ 14
I-14	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-15	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-16	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-17	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-18	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-19	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.10	n/a	1.71	n/a	n/a	13.9	\$ 690	\$ -	\$ -	\$ 690

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	0.10	1.0	0.10	-	44.9	4.3	\$ 214	\$ -	\$ -	\$ 214

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	0.10	1.0	0.10	44.9	35.1	7.6	\$ 378	\$ -	\$ -	\$ 378
I-3	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-4	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-5	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-6	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-7	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-8	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-9	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-10	0.10	1.0	0.10	1.7	1.3	0.4	\$ 19	\$ -	\$ -	\$ 19
I-11	0.10	1.0	0.10	1.7	1.3	0.4	\$ 19	\$ -	\$ -	\$ 19
I-12	0.10	1.0	0.10	1.1	0.9	0.3	\$ 14	\$ -	\$ -	\$ 14
I-13	0.10	1.0	0.10	1.1	0.9	0.3	\$ 14	\$ -	\$ -	\$ 14
I-14	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-15	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-16	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-17	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-18	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-19	0.10	1.0	0.10	-	-	0.4	\$ 19	\$ -	\$ -	\$ 19
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	0.05	1.0	0.05	0.3	0.2	0.2	\$ 9	\$ -	\$ -	\$ 9
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.10	n/a	1.76	n/a	n/a	14.1	\$ 699	\$ -	\$ -	\$ 699

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	0.10	1.0	0.10	-	44.9	4.3	\$ 214	\$ -	\$ -	\$ 214

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 3 Net)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B		D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:
 1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
 2. Activity I-2b is not applicable to projects that are not seeking waivers.
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 3 Net)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	44.9	35.1	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

2. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 3 Net)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	44.9	-	\$ -	\$ -	\$ -	\$ -

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	44.9	35.1	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 3 Net, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	44.9	-	\$ -	\$ -	\$ -	\$ -

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	44.9	35.1	-	\$ -	\$ -	\$ -	\$ -
I-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-10	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-11	-	0.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-12	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-13	-	0.0	-	1.1	0.9	-	\$ -	\$ -	\$ -	\$ -
I-14	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-15	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-18	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-20	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-21	-	0.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	0.0	-	0.3	0.2	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit A.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 3 Net, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	44.9	-	\$ -	\$ -	\$ -	\$ -

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Appendix A.3: Summary Tables (RA 3 Net)

Exhibit A.3.1a: Total Owners and Operators Burden and Cost, Years 1 - 3 (RA 3 Net)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	2.66	14.63	3,181.4	\$ 424,208	\$ 16,377,951	\$ 7,594,911	\$ 24,397,070
Saline Large, Waivered	0.25	6.22	1,349.0	\$ 173,957	\$ 1,103,130	\$ 2,120,257	\$ 3,397,344
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2.90	20.85	4,530.4	\$ 598,165	\$ 17,481,081	\$ 9,715,168	\$ 27,794,414

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.1b: Total Permitting Authorities Burden and Cost, Years 1 - 3 (RA 3 Net)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.71	3.42	31.2	\$ 1,553	\$ -	\$ -	\$ 1,553
Saline Large, Waivered	0.19	3.47	27.9	\$ 1,389	\$ -	\$ -	\$ 1,389
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project Independent Activities	32.00	64.00	33,664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348
Total	32.00	70.89	33,723.1	\$ 1,667,290	\$ -	\$ -	\$ 1,667,290

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.1c: Total Agency Burden and Cost, Years 1 - 3 (RA 3 Net)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.19	0.19	8.5	\$ 428	\$ -	\$ -	\$ 428
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	35.00	15,360.0	\$ 770,212	\$ -	\$ -	\$ 770,212
Total	1.00	35.19	15,368.5	\$ 770,640	\$ -	\$ -	\$ 770,640

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.1d: Total Burden and Cost, All Parties, Years 1 - 3 (RA 3 Net)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	2.90	20.85	4,530.4	\$ 598,165	\$ 17,481,081	\$ 9,715,168	\$ 27,794,414
Permitting Authorities	32.00	70.89	33,723.1	\$ 1,667,290	\$ -	\$ -	\$ 1,667,290
Agency	1.00	35.19	15,368.5	\$ 770,640	\$ -	\$ -	\$ 770,640
Total	35.90	126.92	53,622.1	\$ 3,036,095	\$ 17,481,081	\$ 9,715,168	\$ 30,232,344

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	-	-	\$ -	\$ -	\$ -	\$ -

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	32.00	64.00	33,664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348
Total	32.00	64.00	33,664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	33.00	7,040.0	\$ 353,014	\$ -	\$ -	\$ 353,014
Total	1.00	33.00	7,040.0	\$ 353,014	\$ -	\$ -	\$ 353,014

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	-	-	-	\$ -	\$ -	\$ -	\$ -
Permitting Authorities	32.00	64.00	33,664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348
Agency	1.00	33.00	7,040.0	\$ 353,014	\$ -	\$ -	\$ 353,014
Total	33.00	97.00	40,704.0	\$ 2,017,362	\$ -	\$ -	\$ 2,017,362

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.90	6.89	1,461.4	\$ 194,938	\$ 8,188,975	\$ 3,481,294	\$ 11,865,207
Saline Large, Waivered	0.10	2.54	655.7	\$ 84,486	\$ 551,565	\$ 1,029,064	\$ 1,665,116
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	9.43	2,117.1	\$ 279,424	\$ 8,740,540	\$ 4,510,358	\$ 13,530,323

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.86	1.71	15.4	\$ 766	\$ -	\$ -	\$ 766
Saline Large, Waivered	0.10	1.71	13.9	\$ 690	\$ -	\$ -	\$ 690
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.95	3.42	29.3	\$ 1,456	\$ -	\$ -	\$ 1,456

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.10	0.10	4.3	\$ 214	\$ -	\$ -	\$ 214
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.10	4,164.3	\$ 208,813	\$ -	\$ -	\$ 208,813

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	1.00	9.43	2,117.1	\$ 279,424	\$ 8,740,540	\$ 4,510,358	\$ 13,530,323
Permitting Authorities	0.95	3.42	29.3	\$ 1,456	\$ -	\$ -	\$ 1,456
Agency	1.00	1.10	4,164.3	\$ 208,813	\$ -	\$ -	\$ 208,813
Total	2.95	13.94	6,310.7	\$ 489,693	\$ 8,740,540	\$ 4,510,358	\$ 13,740,592

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.76	7.74	1,720.0	\$ 229,270	\$ 8,188,975	\$ 4,113,617	\$ 12,531,862
Saline Large, Waivered	0.15	3.68	693.3	\$ 89,471	\$ 551,565	\$ 1,091,193	\$ 1,732,228
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.90	11.42	2,413.3	\$ 318,741	\$ 8,740,540	\$ 5,204,810	\$ 14,264,091

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.86	1.71	15.8	\$ 787	\$ -	\$ -	\$ 787
Saline Large, Waivered	0.10	1.76	14.1	\$ 699	\$ -	\$ -	\$ 699
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.95	3.47	29.9	\$ 1,486	\$ -	\$ -	\$ 1,486

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.10	0.10	4.3	\$ 214	\$ -	\$ -	\$ 214
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.10	4,164.3	\$ 208,813	\$ -	\$ -	\$ 208,813

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	1.90	11.42	2,413.3	\$ 318,741	\$ 8,740,540	\$ 5,204,810	\$ 14,264,091
Permitting Authorities	0.95	3.47	29.9	\$ 1,486	\$ -	\$ -	\$ 1,486
Agency	1.00	1.10	4,164.3	\$ 208,813	\$ -	\$ -	\$ 208,813
Total	3.85	15.98	6,607.4	\$ 529,040	\$ 8,740,540	\$ 5,204,810	\$ 14,474,390

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.51	16.34	3,440.1	\$ 458,540	\$ 16,377,951	\$ 8,232,569	\$ 25,069,060
Saline Large, Waivered	0.30	7.36	1,386.5	\$ 178,941	\$ 1,103,130	\$ 2,182,386	\$ 3,464,457
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.81	23.70	4,826.6	\$ 637,481	\$ 17,481,081	\$ 10,414,955	\$ 28,533,517

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.71	3.42	31.6	\$ 1,574	\$ -	\$ -	\$ 1,574
Saline Large, Waivered	0.19	3.52	28.1	\$ 1,399	\$ -	\$ -	\$ 1,399
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.90	6.94	59.8	\$ 2,973	\$ -	\$ -	\$ 2,973

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.19	0.19	8.5	\$ 428	\$ -	\$ -	\$ 428
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.19	4,168.5	\$ 209,027	\$ -	\$ -	\$ 209,027

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	3.81	23.70	4,826.6	\$ 637,481	\$ 17,481,081	\$ 10,414,955	\$ 28,533,517
Permitting Authorities	1.90	6.94	59.8	\$ 2,973	\$ -	\$ -	\$ 2,973
Agency	1.00	1.19	4,168.5	\$ 209,027	\$ -	\$ -	\$ 209,027
Total	6.71	31.82	9,054.9	\$ 849,481	\$ 17,481,081	\$ 10,414,955	\$ 28,745,516

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	4.28	1,034.5	\$ 137,328	\$ -	\$ 2,534,628	\$ 2,671,956
Saline Large, Waivered	0.19	4.56	150.2	\$ 19,937	\$ -	\$ 248,514	\$ 268,451
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.61	8.84	1,184.7	\$ 157,265	\$ -	\$ 2,783,142	\$ 2,940,407

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	-	1.7	\$ 85	\$ -	\$ -	\$ 85
Saline Large, Waivered	0.19	0.19	0.8	\$ 38	\$ -	\$ -	\$ 38
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.61	0.19	2.5	\$ 123	\$ -	\$ -	\$ 123

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	3.61	8.84	1,184.7	\$ 157,265	\$ -	\$ 2,783,142	\$ 2,940,407
Permitting Authorities	3.61	0.19	2.5	\$ 123	\$ -	\$ -	\$ 123
Agency	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	8.22	10.03	5,347.1	\$ 365,987	\$ -	\$ 2,783,142	\$ 3,149,128

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	5.22	19.76	3,957.3	\$ 527,204	\$ 16,377,951	\$ 9,507,886	\$ 26,413,041
Saline Large, Waivered	0.39	9.64	1,461.6	\$ 188,910	\$ 1,103,130	\$ 2,306,642	\$ 3,598,682
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	5.61	29.40	5,418.9	\$ 716,114	\$ 17,481,081	\$ 11,814,529	\$ 30,011,723

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	3.42	32.5	\$ 1,616	\$ -	\$ -	\$ 1,616
Saline Large, Waivered	0.19	3.61	28.5	\$ 1,418	\$ -	\$ -	\$ 1,418
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.61	7.03	61.0	\$ 3,034	\$ -	\$ -	\$ 3,034

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.19	0.19	8.5	\$ 428	\$ -	\$ -	\$ 428
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.19	4,168.5	\$ 209,027	\$ -	\$ -	\$ 209,027

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	5.61	29.40	5,418.9	\$ 716,114	\$ 17,481,081	\$ 11,814,529	\$ 30,011,723
Permitting Authorities	3.61	7.03	61.0	\$ 3,034	\$ -	\$ -	\$ 3,034
Agency	1.00	1.19	4,168.5	\$ 209,027	\$ -	\$ -	\$ 209,027
Total	10.22	37.62	9,648.5	\$ 928,175	\$ 17,481,081	\$ 11,814,529	\$ 30,223,784

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	16.00	1,277.0	\$ 180,175	\$ 4,365,956	\$ 1,006,504	\$ 5,552,635
Saline Large, Non-Waivered	9.63	42.12	9,138.4	\$ 1,217,796	\$ 40,944,877	\$ 21,869,217	\$ 64,031,890
Saline Large, Waivered	0.79	19.78	3,534.9	\$ 456,461	\$ 2,757,825	\$ 5,555,881	\$ 8,770,167
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	12.42	77.90	13,950.3	\$ 1,854,432	\$ 48,068,658	\$ 28,431,602	\$ 78,354,692

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	4.00	36.0	\$ 1,791	\$ -	\$ -	\$ 1,791
Saline Large, Non-Waivered	5.13	8.55	89.8	\$ 4,466	\$ -	\$ -	\$ 4,466
Saline Large, Waivered	0.48	8.93	71.8	\$ 3,573	\$ -	\$ -	\$ 3,573
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	7.61	21.48	197.6	\$ 9,830	\$ -	\$ -	\$ 9,830

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.48	0.48	21.3	\$ 1,070	\$ -	\$ -	\$ 1,070
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.48	4,181.3	\$ 209,669	\$ -	\$ -	\$ 209,669

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	12.42	77.90	13,950.3	\$ 1,854,432	\$ 48,068,658	\$ 28,431,602	\$ 78,354,692
Permitting Authorities	7.61	21.48	197.6	\$ 9,830	\$ -	\$ -	\$ 9,830
Agency	1.00	1.48	4,181.3	\$ 209,669	\$ -	\$ -	\$ 209,669
Total	21.02	100.85	18,329.2	\$ 2,073,931	\$ 48,068,658	\$ 28,431,602	\$ 78,574,191

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	2.00	234.0	\$ 31,063	\$ -	\$ 423,353	\$ 454,416
Saline Large, Non-Waivered	9.41	15.39	3,124.4	\$ 414,766	\$ -	\$ 7,645,705	\$ 8,060,471
Saline Large, Waivered	0.52	12.78	444.1	\$ 58,951	\$ -	\$ 721,201	\$ 780,151
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	30.17	3,802.5	\$ 504,780	\$ -	\$ 8,790,258	\$ 9,295,038

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	-	1.0	\$ 50	\$ -	\$ -	\$ 50
Saline Large, Non-Waivered	9.41	-	15.0	\$ 744	\$ -	\$ -	\$ 744
Saline Large, Waivered	0.52	0.62	3.4	\$ 170	\$ -	\$ -	\$ 170
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	0.62	19.4	\$ 964	\$ -	\$ -	\$ 964

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.93	30.17	3,802.5	\$ 504,780	\$ -	\$ 8,790,258	\$ 9,295,038
Permitting Authorities	11.93	0.62	19.4	\$ 964	\$ -	\$ -	\$ 964
Agency	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	24.86	31.79	7,981.9	\$ 714,343	\$ -	\$ 8,790,258	\$ 9,504,602

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	4.00	234.0	\$ 31,063	\$ -	\$ 432,713	\$ 463,776
Saline Large, Non-Waivered	9.41	17.96	3,404.0	\$ 451,881	\$ -	\$ 8,314,513	\$ 8,766,394
Saline Large, Waivered	0.52	13.02	475.1	\$ 63,074	\$ -	\$ 758,989	\$ 822,064
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	34.97	4,113.2	\$ 546,018	\$ -	\$ 9,506,215	\$ 10,052,234

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	-	1.0	\$ 50	\$ -	\$ -	\$ 50
Saline Large, Non-Waivered	9.41	-	25.2	\$ 1,255	\$ -	\$ -	\$ 1,255
Saline Large, Waivered	0.52	0.71	4.8	\$ 236	\$ -	\$ -	\$ 236
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	0.71	31.0	\$ 1,541	\$ -	\$ -	\$ 1,541

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.93	34.97	4,113.2	\$ 546,018	\$ -	\$ 9,506,215	\$ 10,052,234
Permitting Authorities	11.93	0.71	31.0	\$ 1,541	\$ -	\$ -	\$ 1,541
Agency	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	24.86	36.68	8,304.1	\$ 756,158	\$ -	\$ 9,506,215	\$ 10,262,374

Sources: Exhibits A.3.2a-A.3.2c.

Exhibit A.3.2a: Owners and Operators Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	2.00	234.0	\$ 31,063	\$ -	\$ 423,353	\$ 454,416
Saline Large, Non-Waivered	9.41	13.68	2,844.9	\$ 377,652	\$ -	\$ 6,982,232	\$ 7,359,883
Saline Large, Waivered	0.52	12.54	413.0	\$ 54,827	\$ -	\$ 683,412	\$ 738,239
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	28.22	3,491.9	\$ 463,542	\$ -	\$ 8,088,997	\$ 8,552,538

Sources: Exhibits A.1.2-A.1.6.

Exhibit A.3.2b: Permitting Authorities Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	-	1.0	\$ 50	\$ -	\$ -	\$ 50
Saline Large, Non-Waivered	9.41	-	4.7	\$ 234	\$ -	\$ -	\$ 234
Saline Large, Waivered	0.52	0.52	2.1	\$ 104	\$ -	\$ -	\$ 104
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	0.52	7.8	\$ 388	\$ -	\$ -	\$ 388

Sources: Exhibits A.2.2a, A.2.3-A.2.5a, A.2.6, A.2.7a.

Exhibit A.3.2c: Agency Burden and Cost (RA 3 Net, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599

Source: Exhibits A.2.2b, A.2.5b, A.2.7b.

Exhibit A.3.2d: Total Burden and Cost, All Parties (RA 3 Net, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.93	28.22	3,491.9	\$ 463,542	\$ -	\$ 8,088,997	\$ 8,552,538
Permitting Authorities	11.93	0.52	7.8	\$ 388	\$ -	\$ -	\$ 388
Agency	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	24.86	29.74	7,659.7	\$ 672,528	\$ -	\$ 8,088,997	\$ 8,761,525

Sources: Exhibits A.3.2a-A.3.2c.

Appendix B:
GS Rule Selected Alternative
Burden and Costs Spreadsheets
(Regulatory Alternative 3)

Appendix B.1: Owners and Operators (RA 3)

Exhibit B.1.1: Activity Key for Owners and Operators

ICR Activity	ID#	Sub Categories/Notes	Periodicity	Periodicity
			Code	Code
A	B	C	D	E
Geologic Site Characterization	A-1	Develop maps and cross sections of local geologic structure.	1	One-time
Geologic Site Characterization	A-2	Conduct 3D seismic survey to identify faults and fractures in primary and secondary containment units.	1	One-time
Geologic Site Characterization	A-3	Obtain and analyze seismic (earthquake) history.	1	One-time
Geologic Site Characterization	A-4	Remote (aerial) survey of land, land uses, structures etc.	1	One-time
Geologic Site Characterization	A-5	Obtain data on area, thickness, capacity, porosity and permeability of receiving formations and confining systems.	1	One-time
Geologic Site Characterization	A-6	Obtain geomechanical information on fractures, stress, rock strength, in situ fluid pressures (from existing data and literature).	1	One-time
Geologic Site Characterization	A-7	Obtain geomechanical information on fractures, stress, rock strength, in situ fluid pressures (new cores and tests).	1	One-time
Geologic Site Characterization	A-8	List names and depth of all potentially affected Underground Sources of Drinking Water (USDWs).	1	One-time
Geologic Site Characterization	A-9	Provide geochemical information and maps/cross section on subsurface aquifers.	1	One-time
Geologic Site Characterization	A-10	Provide information on water-rock-CO2 geochemistry and mineral reactions.	1	One-time
Geologic Site Characterization	A-11	Develop list of penetrations into injection zone within AoR (from well history data bases).	1	One-time
Geologic Site Characterization	A-12	Develop list of penetrations into containment systems within AoR (from well history data bases).	1	One-time
Geologic Site Characterization	A-13	Develop list of water wells within AoR (from public data).	1	One-time
Geologic Site Characterization	A-14	Prepare geologic characterization report demonstrating: suitability of receiving zone, storage capacity and injectivity, trapping mechanism free of nonsealing faults, competent confining system, etc.	1	One-time
Geologic Site Characterization	A-15	G&A	1	One-time
Monitoring	B-1	Develop geochemical baseline for injection zones and confining zone. Assumes 4 samples per injection well.	1	One-time
Monitoring	B-2	Develop baseline of surface air CO2 flux for leakage monitoring.	0	Never
Monitoring	B-3a	Conduct front-end engineering and design for monitoring wells stopping above the confining zone.	1	One-time
Monitoring	B-3b	Conduct front-end engineering and design for monitoring wells drilling into the injection zone.	1	One-time
Monitoring	B-4a	Obtain rights-of-way for surface uses (monitoring wells stopping above confining zone).	1	One-time
Monitoring	B-4b	Obtain rights-of-way for surface uses (monitoring wells drilling into injection zone).	1	One-time
Monitoring	B-5	Obtain rights-of-way for surface uses (monitoring sites).	0	Never
Monitoring	B-6	Check valve (Director discretion to require down-hole shut-off valve, but expected to be check valves in all but the most exceptional cases).	1	One-time
Monitoring	B-7	Standard monitoring well stopping above the confining zone (used look up table). Standard monitoring wells for ER projects stop below the injection zone.	1	One-time
Monitoring	B-8	Standard monitoring well drilled into the injection zone (used look up table; applies to RA3-4 only).	1	One-time
Monitoring	B-9a	Pressure, temperature, and resistivity gauges and related equipment for monitoring wells stopping above the injection zone.	1	One-time
Monitoring	B-9b	Pressure, temperature, and resistivity gauges and related equipment for monitoring wells drilling into the injection zone.	1	One-time
Monitoring	B-10a	Salinity, CO2, tracer, etc. monitoring equipment for wells stopping above the injection zone (portion of equipment may be at surface such as for periodic in situ sampling using U-tubes).	1	One-time
Monitoring	B-10b	Salinity, CO2, tracer, etc. monitoring equipment for wells drilling into the injection zone (portion of equipment may be at surface such as for periodic in situ sampling using U-tubes).	1	One-time
Monitoring	B-10c	ER only. U-tube for sensing oil movement away from bottom of formation. Applies to 1 of every 4 monitoring wells drilled into the injection zone.	1	One-time
Monitoring	B-11a	Develop plan and implement Eddy Covariance air monitoring.	0	Never
Monitoring	B-11b	Develop plan and implement Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation. Costs are for planning and quality assurance (no construction costs).	0	Never
Monitoring	B-11c	Develop plan and implement LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse. Costs are for planning and quality assurance (no construction costs).	0	Never
Monitoring	B-11d	Develop plan and implement soil zone monitoring.	0	Never
Monitoring	B-11e	Develop plan and implement vadose zone monitoring wells to sample gas above water table.	0	Never
Monitoring	B-11f	Develop plan and implement monitoring wells for ground water quality and geochemistry.	1	One-time
Monitoring	B-12	Conduct periodic monitoring of groundwater quality and geochemistry.	4	Monthly
Monitoring	B-13	Surface microseismic detection equipment: geophone arrays in monitoring wells.	0	Never
Monitoring	B-14a	Monitoring well O&M for wells stopping above the injection zone.	2	Annual
Monitoring	B-14b	Monitoring well O&M for wells drilling into the injection zone.	2	Annual
Monitoring	B-14c	ER only. U-tube O&M for 1 of 4 monitoring wells drilled into the injection zone.	2	Annual
Monitoring	B-15a	Annual cost of air and soil surveys: Eddy Covariance.	0	Never
Monitoring	B-15b	Annual cost of air and soil surveys: Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	0	Never
Monitoring	B-15c	Annual cost of air and soil surveys: LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	0	Never
Monitoring	B-15d	Annual cost of air and soil surveys: soil zone monitoring.	0	Never
Monitoring	B-15e	Annual cost of air and soil surveys: vadose zone monitoring wells to sample gas above water table.	0	Never
Monitoring	B-15f	Annual cost of air and soil surveys: monitoring wells for gas samples from water table.	0	Never
Monitoring	B-16	Annual cost of passive seismic equipment.	0	Never
Monitoring	B-17	Periodic seismic surveys: 3D.	3	Every 5 yrs
Monitoring	B-18	Complex modeling of fluid flows and migration (reservoir simulations) over 100 years (RA0-3) or 10,000 years (RA4). Includes AoR and corrective action reevaluation and updating well plugging and monitoring/testing plans.	3	Every 5 yrs
Monitoring	B-19	Annual reports to regulators and recordkeeping for all data gathering activities.	0	Never
Monitoring	B-20	Semi-Annual (RA3) or quarterly (RA0) reports to regulators and recordkeeping for all data gathering activities.	5	Semi-annual
Monitoring	B-21	Monthly reports to regulators and recordkeeping for all data gathering activities and recordkeeping.	0	Never
Monitoring	B-22	G&A	1	One-time

Notes:

each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

2) Certain events require the owner or operator to notify the state within 24 hours. These are associated with triggers indicating potential endangerment to USDWs and for modeling purposes are included under B-20.

Sources:

(A) - (E): GS Rule Cost Model.

Exhibit B.1.1: Activity Key for Owners and Operators (Cont.)

ICR Activity	ID#	Sub Categories/Notes	Periodicity Code	Periodicity
A	B	C	D	E
Injection Well Construction	C-4	Land use, air emissions, water discharge permits.	1	One-time
Injection Well Construction	C-5	UIC permit filing, including preparation of attachments (see T&C Document for detail).	1	One-time
Injection Well Construction	C-17	G&A	1	One-time
AoR Study & Corrective Action	D-1	Simple fluid flow calculations to predict CO2 fluid flow.	0	Never
AoR Study & Corrective Action	D-2	Complex modeling of CO2 fluid flows and migration (reservoir simulations) over 100 years.	1	One-time
AoR Study & Corrective Action	D-3	Complex modeling of CO2 fluid flows and migration (reservoir simulations) over 10,000 years.	0	Never
AoR Study & Corrective Action	D-4	Aerial search for old wells (artificial penetrations). This includes helicopter magnetic survey and follow-up ground survey.	1	One-time
AoR Study & Corrective Action	D-5	Evaluate integrity of construction and record of completion and/or plugging of existing wells that penetrate containment system.	1	One-time
AoR Study & Corrective Action	D-6	Evaluate integrity of construction and record of completion and/or plugging of existing shallow wells that pose a threat to USDWs.	0	Never
AoR Study & Corrective Action	D-9	G&A	1	One-time
Well operation	E-1	Develop a corrosion monitoring and prevention program.	1	One-time
Well operation	E-2	Corrosion monitoring: analysis of injectate stream and measurement of corrosion of well material coupons.	6	Quarterly
Well operation	E-3	Continuous measurement / monitoring equipment: injected volumes, pressure, flow rates and annulus pressure.	1	One-time
Well operation	E-4	Equipment to add tracers.	1	One-time
Well operation	E-10	Tracers in injected fluid.	2	Annual
Well operation	E-14	G&A	1	One-time
Mechanical Integrity Tests	F-1	Internal Mechanical integrity pressure test.	3	Every 5 yrs
Mechanical Integrity Tests	F-2	Casing inspection log every.	3	Every 5 yrs
Mechanical Integrity Tests	F-3	Conduct a tracer survey of the bottom-hole cement using a CO2-soluble isotope.	2	Annual
Mechanical Integrity Tests	F-4	Conduct a tracer survey of the bottom-hole cement using a CO2-soluble isotope.	0	Never
Mechanical Integrity Tests	F-5	External mechanical integrity tests to detect flow adjacent to well using temperature or noise log at least annually.	2	Annual
Mechanical Integrity Tests	F-6	External mechanical integrity tests to detect flow adjacent to well using temperature or noise log at least every 6 months.	0	Never
Mechanical Integrity Tests	F-7	Conduct pressure fall-off test.	3	Every 5 yrs
Mechanical Integrity Tests	F-8	Conduct pressure fall-off test.	0	Never
Mechanical Integrity Tests	F-9	G&A	1	One-time
Closure and Post-Injection Care	G-3	Perform a mechanical integrity test prior to plugging to evaluate integrity of casing and cement to remain in ground.	8	Post Injection, One-time
Closure and Post-Injection Care	G-7	Document plugging and closure process (well plugging, post-injection plans, notification of intent to close, and post closure report).	1	One-time
Closure and Post-Injection Care	G-8a	Post-closure O&M for monitoring wells stopping above injection zone.	9	Post Injection, Annual
Closure and Post-Injection Care	G-8b	Post-closure O&M for monitoring wells drilling into injection zone.	9	Post Injection, Annual
Closure and Post-Injection Care	G-9	Post-injection air and soil surveys.	11	Post Injection, Every 5 yrs
Closure and Post-Injection Care	G-10	Post-injection seismic survey (conducted for 10 years for RA0-2, 50 years for RA3 and 100 years for RA4).	11	Post Injection, Every 5 yrs
Closure and Post-Injection Care	G-11	Periodic post-injection monitoring reports to regulators (conducted for 50 yrs for RA3, 100 years for RA4, 10 years for all others).	11	Post Injection, Every 5 yrs
Closure and Post-Injection Care	G-12	G&A	1	One-time
Financial Responsibility	H-1	Performance bond or demonstrate financial ability (accounting for inflation) to close site.	8	Post Injection, One-time
Financial Responsibility	H-2	Performance bond or demonstrate financial ability (accounting for inflation) for post-injection monitoring and remediation.	1	One-time
Financial Responsibility	H-3	G&A	1	One-time

Notes:

The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(A) - (E): GS Rule Cost Model.

Exhibit B.1.2: ICR Owners and Operators Activities for Saline Pilot Projects (RA 3)

ID#	# of Respondents	Responses/ Respondent	Year 1							
			Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	240.0	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	240.0	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	96.0	-	-	-	-	-
A-6	-	1.0	-	-	360.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	96.0	-	-	-	-	-
A-9	-	1.0	-	-	240.0	-	-	-	-	-
A-10	-	1.0	-	-	480.0	-	-	-	-	-
A-11	-	1.0	-	-	45.5	-	-	-	-	-
A-12	-	1.0	-	-	45.5	-	-	-	-	-
A-13	-	1.0	-	-	34.1	-	-	-	-	-
A-14	-	1.0	-	-	960.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	1.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	1.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	1.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	1.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	1.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	40.0	-	-	-	-	-
B-12	-	12.0	-	4.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	1.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	1.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	372.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	2.0	-	33.0	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	252.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	5.7	24.0	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	24.0	-	-	-	-	-	-
E-2	-	4.0	-	18.0	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	1.0	-	-	-	-	-	-	-	-
E-10	-	1.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	1.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	1.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	120.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	1.0	-	-	-	-	-	-	-	-
G-9	-	1.0	-	-	-	-	-	-	-	-
G-10	-	1.0	-	-	-	-	-	-	-	-
G-11	-	1.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	1.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F)) * D
2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.2 Cont.: ICR Owners and Operators Activities for Saline Pilot Projects (RA 3, Cont.)

ID#	# of Respondents	Responses/ Respondent	Year 2							Total O&M Cost (\$)	Total Cost (\$)
			Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)		
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J	
A-1	-	1.0	-	-	240.0	-	-	-	-	-	
A-2	-	1.0	-	-	-	-	-	-	-	-	
A-3	-	1.0	-	-	240.0	-	-	-	-	-	
A-4	-	1.0	-	-	-	-	-	-	-	-	
A-5	-	1.0	-	-	96.0	-	-	-	-	-	
A-6	-	1.0	-	-	360.0	-	-	-	-	-	
A-7	-	1.0	-	-	-	-	-	-	-	-	
A-8	-	1.0	-	-	96.0	-	-	-	-	-	
A-9	-	1.0	-	-	240.0	-	-	-	-	-	
A-10	-	1.0	-	-	480.0	-	-	-	-	-	
A-11	-	1.0	-	-	45.5	-	-	-	-	-	
A-12	-	1.0	-	-	45.5	-	-	-	-	-	
A-13	-	1.0	-	-	34.1	-	-	-	-	-	
A-14	-	1.0	-	-	960.0	-	-	-	-	-	
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
B-1	-	1.0	-	-	-	-	-	-	-	-	
B-2	-	0.0	-	-	-	-	-	-	-	-	
B-3a	-	1.0	-	-	-	-	-	-	-	-	
B-3b	-	1.0	-	-	-	-	-	-	-	-	
B-4a	-	1.0	-	-	-	-	-	-	-	-	
B-4b	-	1.0	-	-	-	-	-	-	-	-	
B-5	-	0.0	-	-	-	-	-	-	-	-	
B-6	-	1.0	-	-	-	-	-	-	-	-	
B-7	-	1.0	-	-	-	-	-	-	-	-	
B-8	-	1.0	-	-	-	-	-	-	-	-	
B-9a	-	1.0	-	-	-	-	-	-	-	-	
B-9b	-	1.0	-	-	-	-	-	-	-	-	
B-10a	-	1.0	-	-	-	-	-	-	-	-	
B-10b	-	1.0	-	-	-	-	-	-	-	-	
B-10c	-	1.0	-	1.0	-	-	-	-	-	-	
B-11a	-	0.0	-	-	-	-	-	-	-	-	
B-11b	-	0.0	-	-	-	-	-	-	-	-	
B-11c	-	0.0	-	-	-	-	-	-	-	-	
B-11d	-	0.0	-	-	-	-	-	-	-	-	
B-11e	-	0.0	-	-	-	-	-	-	-	-	
B-11f	-	1.0	-	-	40.0	-	-	-	-	-	
B-12	-	12.0	-	4.0	-	-	-	-	-	-	
B-13	-	0.0	-	-	-	-	-	-	-	-	
B-14a	-	1.0	-	-	-	-	-	-	-	-	
B-14b	-	1.0	-	-	-	-	-	-	-	-	
B-14c	-	1.0	-	-	-	-	-	-	-	-	
B-15a	-	0.0	-	-	-	-	-	-	-	-	
B-15b	-	0.0	-	-	-	-	-	-	-	-	
B-15c	-	0.0	-	-	-	-	-	-	-	-	
B-15d	-	0.0	-	-	-	-	-	-	-	-	
B-15e	-	0.0	-	-	-	-	-	-	-	-	
B-15f	-	0.0	-	-	-	-	-	-	-	-	
B-16	-	0.0	-	-	-	-	-	-	-	-	
B-17	-	1.0	-	-	-	-	-	-	-	-	
B-18	-	1.0	-	372.0	-	-	-	-	-	-	
B-19	-	0.0	-	-	-	-	-	-	-	-	
B-20	-	2.0	-	33.0	-	-	-	-	-	-	
B-21	-	0.0	-	-	-	-	-	-	-	-	
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
C-4	-	1.0	-	-	-	-	-	-	-	-	
C-5	-	1.0	-	-	-	-	-	-	-	-	
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
D-1	-	0.0	-	-	-	-	-	-	-	-	
D-2	-	1.0	-	252.0	-	-	-	-	-	-	
D-3	-	0.0	-	-	-	-	-	-	-	-	
D-4	-	1.0	-	-	-	-	-	-	-	-	
D-5	-	1.0	-	5.7	24.0	-	-	-	-	-	
D-6	-	0.0	-	-	-	-	-	-	-	-	
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
E-1	-	1.0	-	24.0	-	-	-	-	-	-	
E-2	-	4.0	-	18.0	-	-	-	-	-	-	
E-3	-	1.0	-	-	-	-	-	-	-	-	
E-4	-	1.0	-	-	-	-	-	-	-	-	
E-10	-	1.0	-	-	-	-	-	-	-	-	
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
F-1	-	1.0	-	-	-	-	-	-	-	-	
F-2	-	1.0	-	-	-	-	-	-	-	-	
F-3	-	1.0	-	-	-	-	-	-	-	-	
F-4	-	0.0	-	-	-	-	-	-	-	-	
F-5	-	1.0	-	-	-	-	-	-	-	-	
F-6	-	0.0	-	-	-	-	-	-	-	-	
F-7	-	1.0	-	-	-	-	-	-	-	-	
F-8	-	0.0	-	-	-	-	-	-	-	-	
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
G-3	-	1.0	-	-	-	-	-	-	-	-	
G-7	-	1.0	-	-	-	-	-	-	-	-	
G-8a	-	1.0	-	-	-	-	-	-	-	-	
G-8b	-	1.0	-	-	-	-	-	-	-	-	
G-9	-	1.0	-	-	-	-	-	-	-	-	
G-10	-	1.0	-	-	-	-	-	-	-	-	
G-11	-	1.0	-	40.0	-	-	-	-	-	-	
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
H-1	-	1.0	-	8.0	-	-	-	-	-	-	
H-2	-	1.0	-	4.0	-	-	-	-	-	-	
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-	

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.2 Cont.: ICR Owners and Operators Activities for Saline Pilot Projects (RA 3, Cont.)

ID#	# of Respondents	Responses/ Respondent	Year 3							Total O&M Cost (\$)	Total Cost (\$)
			Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)		
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J	
A-1	-	1.0	-	-	240.0	-	-	-	-	-	
A-2	-	1.0	-	-	-	-	-	-	-	-	
A-3	-	1.0	-	-	240.0	-	-	-	-	-	
A-4	-	1.0	-	-	-	-	-	-	-	-	
A-5	-	1.0	-	-	96.0	-	-	-	-	-	
A-6	-	1.0	-	-	360.0	-	-	-	-	-	
A-7	-	1.0	-	-	-	-	-	-	-	-	
A-8	-	1.0	-	-	96.0	-	-	-	-	-	
A-9	-	1.0	-	-	240.0	-	-	-	-	-	
A-10	-	1.0	-	-	480.0	-	-	-	-	-	
A-11	-	1.0	-	-	45.5	-	-	-	-	-	
A-12	-	1.0	-	-	45.5	-	-	-	-	-	
A-13	-	1.0	-	-	34.1	-	-	-	-	-	
A-14	-	1.0	-	-	960.0	-	-	-	-	-	
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
B-1	-	1.0	-	-	-	-	-	-	-	-	
B-2	-	0.0	-	-	-	-	-	-	-	-	
B-3a	-	1.0	-	-	-	-	-	-	-	-	
B-3b	-	1.0	-	-	-	-	-	-	-	-	
B-4a	-	1.0	-	-	-	-	-	-	-	-	
B-4b	-	1.0	-	-	-	-	-	-	-	-	
B-5	-	0.0	-	-	-	-	-	-	-	-	
B-6	-	1.0	-	-	-	-	-	-	-	-	
B-7	-	1.0	-	-	-	-	-	-	-	-	
B-8	-	1.0	-	-	-	-	-	-	-	-	
B-9a	-	1.0	-	-	-	-	-	-	-	-	
B-9b	-	1.0	-	-	-	-	-	-	-	-	
B-10a	-	1.0	-	-	-	-	-	-	-	-	
B-10b	-	1.0	-	-	-	-	-	-	-	-	
B-10c	-	1.0	-	1.0	-	-	-	-	-	-	
B-11a	-	0.0	-	-	-	-	-	-	-	-	
B-11b	-	0.0	-	-	-	-	-	-	-	-	
B-11c	-	0.0	-	-	-	-	-	-	-	-	
B-11d	-	0.0	-	-	-	-	-	-	-	-	
B-11e	-	0.0	-	-	-	-	-	-	-	-	
B-11f	-	1.0	-	-	40.0	-	-	-	-	-	
B-12	-	12.0	-	4.0	-	-	-	-	-	-	
B-13	-	0.0	-	-	-	-	-	-	-	-	
B-14a	-	1.0	-	-	-	-	-	-	-	-	
B-14b	-	1.0	-	-	-	-	-	-	-	-	
B-14c	-	1.0	-	-	-	-	-	-	-	-	
B-15a	-	0.0	-	-	-	-	-	-	-	-	
B-15b	-	0.0	-	-	-	-	-	-	-	-	
B-15c	-	0.0	-	-	-	-	-	-	-	-	
B-15d	-	0.0	-	-	-	-	-	-	-	-	
B-15e	-	0.0	-	-	-	-	-	-	-	-	
B-15f	-	0.0	-	-	-	-	-	-	-	-	
B-16	-	0.0	-	-	-	-	-	-	-	-	
B-17	-	1.0	-	-	-	-	-	-	-	-	
B-18	-	1.0	-	372.0	-	-	-	-	-	-	
B-19	-	0.0	-	-	-	-	-	-	-	-	
B-20	-	2.0	-	33.0	-	-	-	-	-	-	
B-21	-	0.0	-	-	-	-	-	-	-	-	
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
C-4	-	1.0	-	-	-	-	-	-	-	-	
C-5	-	1.0	-	-	-	-	-	-	-	-	
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
D-1	-	0.0	-	-	-	-	-	-	-	-	
D-2	-	1.0	-	252.0	-	-	-	-	-	-	
D-3	-	0.0	-	-	-	-	-	-	-	-	
D-4	-	1.0	-	-	-	-	-	-	-	-	
D-5	-	1.0	-	5.7	24.0	-	-	-	-	-	
D-6	-	0.0	-	-	-	-	-	-	-	-	
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
E-1	-	1.0	-	24.0	-	-	-	-	-	-	
E-2	-	4.0	-	18.0	-	-	-	-	-	-	
E-3	-	1.0	-	-	-	-	-	-	-	-	
E-4	-	1.0	-	-	-	-	-	-	-	-	
E-10	-	1.0	-	-	-	-	-	-	-	-	
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
F-1	-	1.0	-	-	-	-	-	-	-	-	
F-2	-	1.0	-	-	-	-	-	-	-	-	
F-3	-	1.0	-	-	-	-	-	-	-	-	
F-4	-	0.0	-	-	-	-	-	-	-	-	
F-5	-	1.0	-	-	-	-	-	-	-	-	
F-6	-	0.0	-	-	-	-	-	-	-	-	
F-7	-	1.0	-	-	-	-	-	-	-	-	
F-8	-	0.0	-	-	-	-	-	-	-	-	
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
G-3	-	1.0	-	-	-	-	-	-	-	-	
G-7	-	1.0	-	-	-	-	-	-	-	-	
G-8a	-	1.0	-	-	-	-	-	-	-	-	
G-8b	-	1.0	-	-	-	-	-	-	-	-	
G-9	-	1.0	-	-	-	-	-	-	-	-	
G-10	-	1.0	-	-	-	-	-	-	-	-	
G-11	-	1.0	-	40.0	-	-	-	-	-	-	
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
H-1	-	1.0	-	8.0	-	-	-	-	-	-	
H-2	-	1.0	-	4.0	-	-	-	-	-	-	
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-	

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 3)

ID#	Year 1									
	# of Respondents B	Responses/ Respondent C	Total Responses D=B*C	Unit Burden Engineer (hrs) E	Unit Burden Geoscientist (hrs) F	Total Burden (hrs) G=(E+F)*D	Total Labor Cost (\$) H	Total Capital Cost (\$) I	Total O&M Cost (\$) J	Total Cost (\$) K=H+I+J
A-1	-	1.0	-	-	240.0	-	\$ -	\$ -	\$ -	\$ -
A-2	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-3	-	1.0	-	-	240.0	-	\$ -	\$ -	\$ -	\$ -
A-4	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-5	-	1.0	-	-	96.0	-	\$ -	\$ -	\$ -	\$ -
A-6	-	1.0	-	-	360.0	-	\$ -	\$ -	\$ -	\$ -
A-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-8	-	1.0	-	-	96.0	-	\$ -	\$ -	\$ -	\$ -
A-9	-	1.0	-	-	240.0	-	\$ -	\$ -	\$ -	\$ -
A-10	-	1.0	-	-	480.0	-	\$ -	\$ -	\$ -	\$ -
A-11	-	1.0	-	-	1,117.2	-	\$ -	\$ -	\$ -	\$ -
A-12	-	1.0	-	-	1,117.2	-	\$ -	\$ -	\$ -	\$ -
A-13	-	1.0	-	-	837.9	-	\$ -	\$ -	\$ -	\$ -
A-14	-	1.0	-	-	960.0	-	\$ -	\$ -	\$ -	\$ -
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
B-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-4a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-4b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-8	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-9a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-9b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10c	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	-	1.0	-	-	40.0	-	\$ -	\$ -	\$ -	\$ -
B-12	-	12.0	-	23.3	-	-	\$ -	\$ -	\$ -	\$ -
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14c	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	1.0	-	436.0	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	-	2.0	-	33.0	-	-	\$ -	\$ -	\$ -	\$ -
B-21	n/a	0.0	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
C-4	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
C-5	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	-	1.0	-	276.0	-	-	\$ -	\$ -	\$ -	\$ -
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-5	-	1.0	-	139.7	24.0	-	\$ -	\$ -	\$ -	\$ -
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
E-1	-	1.0	-	24.0	-	-	\$ -	\$ -	\$ -	\$ -
E-2	-	4.0	-	24.0	-	-	\$ -	\$ -	\$ -	\$ -
E-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-4	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-10	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
F-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
G-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	-	1.0	-	120.0	-	-	\$ -	\$ -	\$ -	\$ -
G-8a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	1.0	-	40.0	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
H-1	-	1.0	-	8.0	-	-	\$ -	\$ -	\$ -	\$ -
H-2	-	1.0	-	4.0	-	-	\$ -	\$ -	\$ -	\$ -
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 3, Cont.)

ID#	Year 2									
	# of Responses/ Respondents	Responses/ Respondent	Total Responses	Unit Burden Engineer (hrs)	Unit Burden Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-2	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 6,209,097	\$ 6,209,097
A-3	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-4	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 57,505	\$ 57,505
A-5	0.90	1.0	0.86	-	96.0	82.1	\$ 8,802	\$ -	\$ -	\$ 8,802
A-6	0.90	1.0	0.86	-	360.0	307.8	\$ 33,006	\$ -	\$ -	\$ 33,006
A-7	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 1,278,909	\$ 1,278,909
A-8	0.90	1.0	0.86	-	96.0	82.1	\$ 8,802	\$ -	\$ -	\$ 8,802
A-9	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-10	0.90	1.0	0.86	-	480.0	410.4	\$ 44,008	\$ -	\$ 17,613	\$ 61,621
A-11	0.90	1.0	0.86	-	1,117.2	955.2	\$ 102,433	\$ -	\$ -	\$ 102,433
A-12	0.90	1.0	0.86	-	1,117.2	955.2	\$ 102,433	\$ -	\$ -	\$ 102,433
A-13	0.90	1.0	0.86	-	837.9	716.4	\$ 76,825	\$ -	\$ -	\$ 76,825
A-14	0.90	1.0	0.86	-	960.0	820.8	\$ 88,016	\$ -	\$ -	\$ 88,016
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 106,067	\$ -	\$ 1,512,625	\$ 1,618,692
B-1	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 2,832	\$ 2,832
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 43,570	\$ 43,570
B-3b	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 25,871	\$ 25,871
B-4a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 51,742	\$ 51,742
B-4b	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 51,742	\$ 51,742
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	0.86	1.0	0.86	-	-	-	\$ -	\$ 428	\$ -	\$ 428
B-7	0.86	1.0	0.86	-	-	-	\$ -	\$ 2,420,457	\$ -	\$ 2,420,457
B-8	0.86	1.0	0.86	-	-	-	\$ -	\$ 5,449,798	\$ -	\$ 5,449,798
B-9a	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-9b	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-10a	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-10b	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-10c	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	0.86	1.0	0.86	-	40.0	34.2	\$ 3,667	\$ -	\$ 68,400	\$ 72,067
B-12	-	12.0	-	23.3	-	-	\$ -	\$ -	\$ -	\$ -
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14c	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	1.0	-	436.0	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	-	2.0	-	33.0	-	-	\$ -	\$ -	\$ -	\$ -
B-21	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 733	\$ 1,615,531	\$ 48,832	\$ 1,665,096
C-4	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 500,357	\$ 500,357
C-5	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 29,412	\$ 29,412
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 105,954	\$ 105,954
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	0.86	1.0	0.86	276.0	-	236.0	\$ 26,105	\$ -	\$ -	\$ 26,105
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 66,934	\$ 66,934
D-5	0.86	1.0	0.86	139.7	24.0	139.9	\$ 15,410	\$ -	\$ -	\$ 15,410
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ 8,303	\$ -	\$ 13,387	\$ 21,690
E-1	0.86	1.0	0.86	24.0	-	20.5	\$ 2,270	\$ -	\$ -	\$ 2,270
E-2	-	4.0	-	24.0	-	-	\$ -	\$ -	\$ -	\$ -
E-3	0.86	1.0	0.86	-	-	-	\$ -	\$ 53,010	\$ -	\$ 53,010
E-4	0.86	1.0	0.86	-	-	-	\$ -	\$ 8,892	\$ -	\$ 8,892
E-10	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 454	\$ 12,380	\$ -	\$ 12,834
F-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
G-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	0.86	1.0	0.86	-	-	-	\$ -	\$ 11,350	\$ -	\$ 11,350
G-8a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	1.0	-	40.0	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 2,270	\$ -	\$ -	\$ 2,270
H-1	-	1.0	-	8.0	-	-	\$ -	\$ -	\$ -	\$ -
H-2	0.86	1.0	0.86	4.0	-	3.4	\$ 378	\$ -	\$ -	\$ 378
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ 76	\$ -	\$ -	\$ 76
Total	0.90	n/a	32.49	n/a	n/a	5,379.7	\$ 707,419	\$ 9,767,465	\$ 10,084,781	\$ 20,559,666

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

=[Draft Cost Model.xls]Schedule-Large!\$C\$5

Exhibit B.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 3, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden Engineer (hrs)	Unit Burden Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-2	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 6,209,097	\$ 6,209,097
A-3	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-4	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 57,505	\$ 57,505
A-5	0.90	1.0	0.86	-	96.0	82.1	\$ 8,802	\$ -	\$ -	\$ 8,802
A-6	0.90	1.0	0.86	-	360.0	307.8	\$ 33,006	\$ -	\$ -	\$ 33,006
A-7	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 1,278,909	\$ 1,278,909
A-8	0.90	1.0	0.86	-	96.0	82.1	\$ 8,802	\$ -	\$ -	\$ 8,802
A-9	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-10	0.90	1.0	0.86	-	480.0	410.4	\$ 44,008	\$ -	\$ 17,613	\$ 61,621
A-11	0.90	1.0	0.86	-	1,117.2	955.2	\$ 102,433	\$ -	\$ -	\$ 102,433
A-12	0.90	1.0	0.86	-	1,117.2	955.2	\$ 102,433	\$ -	\$ -	\$ 102,433
A-13	0.90	1.0	0.86	-	837.9	716.4	\$ 76,825	\$ -	\$ -	\$ 76,825
A-14	0.90	1.0	0.86	-	960.0	820.8	\$ 88,016	\$ -	\$ -	\$ 88,016
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 106,067	\$ -	\$ 1,512,625	\$ 1,618,692
B-1	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 2,832	\$ 2,832
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 43,570	\$ 43,570
B-3b	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 25,871	\$ 25,871
B-4a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 51,742	\$ 51,742
B-4b	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 51,742	\$ 51,742
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	0.86	1.0	0.86	-	-	-	\$ -	\$ 428	\$ -	\$ 428
B-7	0.86	1.0	0.86	-	-	-	\$ -	\$ 2,420,457	\$ -	\$ 2,420,457
B-8	0.86	1.0	0.86	-	-	-	\$ -	\$ 5,449,798	\$ -	\$ 5,449,798
B-9a	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-9b	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-10a	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-10b	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-10c	0.86	1.0	0.86	-	-	-	\$ -	\$ 51,742	\$ -	\$ 51,742
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	0.86	1.0	0.86	-	40.0	34.2	\$ 3,667	\$ -	\$ 68,400	\$ 72,067
B-12	0.86	12.0	10.26	23.3	-	238.8	\$ 26,418	\$ -	\$ 95,525	\$ 121,943
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 198,263	\$ 198,263
B-14b	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 257,643	\$ 257,643
B-14c	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	1.0	-	436.0	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	0.86	2.0	1.71	33.0	-	56.4	\$ 6,243	\$ -	\$ -	\$ 6,243
B-21	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 7,286	\$ 1,615,531	\$ 159,118	\$ 1,781,914
C-4	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 500,357	\$ 500,357
C-5	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 29,412	\$ 29,412
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 105,954	\$ 105,954
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	0.86	1.0	0.86	276.0	-	236.0	\$ 26,105	\$ -	\$ -	\$ 26,105
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 66,934	\$ 66,934
D-5	0.86	1.0	0.86	139.7	24.0	139.9	\$ 15,410	\$ -	\$ -	\$ 15,410
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ 8,303	\$ -	\$ 13,387	\$ 21,690
E-1	0.86	1.0	0.86	24.0	-	20.5	\$ 2,270	\$ -	\$ -	\$ 2,270
E-2	0.86	4.0	3.42	24.0	-	82.1	\$ 9,080	\$ -	\$ 16,758	\$ 25,838
E-3	0.86	1.0	0.86	-	-	-	\$ -	\$ 53,010	\$ -	\$ 53,010
E-4	0.86	1.0	0.86	-	-	-	\$ -	\$ 8,892	\$ -	\$ 8,892
E-10	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 19,696	\$ 19,696
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 2,270	\$ 12,380	\$ 7,291	\$ 21,941
F-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 8,892	\$ 8,892
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 63,860	\$ 63,860
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 14,550	\$ 14,550
G-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	0.86	1.0	0.86	-	-	-	\$ -	\$ 11,350	\$ -	\$ 11,350
G-8a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	1.0	-	40.0	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 2,270	\$ -	\$ -	\$ 2,270
H-1	-	1.0	-	8.0	-	-	\$ -	\$ -	\$ -	\$ -
H-2	0.86	1.0	0.86	4.0	-	3.4	\$ 378	\$ -	\$ -	\$ 378
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ 76	\$ -	\$ -	\$ 76
Total	1.76	n/a	53.01	n/a	n/a	5,757.1	\$ 757,508	\$ 9,767,465	\$ 10,877,545	\$ 21,402,518

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 3)

ID#	Year 1										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	480.0	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	480.0	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	192.0	-	-	-	-	-	-
A-6	-	1.0	-	-	720.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	192.0	-	-	-	-	-	-
A-9	-	1.0	-	-	960.0	-	-	-	-	-	-
A-10	-	1.0	-	-	1,440.0	-	-	-	-	-	-
A-11	-	1.0	-	-	2,287.1	-	-	-	-	-	-
A-12	-	1.0	-	-	2,287.1	-	-	-	-	-	-
A-13	-	1.0	-	-	1,715.4	-	-	-	-	-	-
A-14	-	1.0	-	-	2,400.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	1.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	1.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	1.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	1.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	1.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	60.0	-	-	-	-	-	-
B-12	-	12.0	-	52.4	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	1.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	1.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	654.0	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	2.0	-	33.0	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	276.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	142.9	24.0	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
E-1	-	1.0	-	24.0	-	-	-	-	-	-	-
E-2	-	4.0	-	24.0	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	1.0	-	-	-	-	-	-	-	-	-
E-10	-	1.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	1.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	1.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	120.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	1.0	-	-	-	-	-	-	-	-	-
G-9	-	1.0	-	-	-	-	-	-	-	-	-
G-10	-	1.0	-	-	-	-	-	-	-	-	-
G-11	-	1.0	-	40.0	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	1.0	-	4.0	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-	-

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 3, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J
A-1	0.10	1.0	0.05	-	480.0	22.8	\$ 2,445	\$ -	\$ -	\$ 2,445
A-2	0.10	1.0	0.05	-	-	-	\$ -	\$ -	\$ 706,157	\$ 706,157
A-3	0.10	1.0	0.05	-	480.0	22.8	\$ 2,445	\$ -	\$ -	\$ 2,445
A-4	0.10	1.0	0.05	-	-	-	\$ -	\$ -	\$ 6,519	\$ 6,519
A-5	0.10	1.0	0.05	-	192.0	9.1	\$ 978	\$ -	\$ -	\$ 978
A-6	0.10	1.0	0.05	-	720.0	34.2	\$ 3,667	\$ -	\$ -	\$ 3,667
A-7	0.10	1.0	0.05	-	-	-	\$ -	\$ -	\$ 85,044	\$ 85,044
A-8	0.10	1.0	0.05	-	192.0	9.1	\$ 978	\$ -	\$ -	\$ 978
A-9	0.10	1.0	0.05	-	960.0	45.6	\$ 4,890	\$ -	\$ -	\$ 4,890
A-10	0.10	1.0	0.05	-	1,440.0	68.4	\$ 7,335	\$ -	\$ 2,936	\$ 10,270
A-11	0.10	1.0	0.05	-	2,287.1	108.6	\$ 11,650	\$ -	\$ -	\$ 11,650
A-12	0.10	1.0	0.05	-	2,287.1	108.6	\$ 11,650	\$ -	\$ -	\$ 11,650
A-13	0.10	1.0	0.05	-	1,715.4	81.5	\$ 8,737	\$ -	\$ -	\$ 8,737
A-14	0.10	1.0	0.05	-	2,400.0	114.0	\$ 12,224	\$ -	\$ -	\$ 12,224
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 13,400	\$ -	\$ 160,131	\$ 173,531
B-1	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 236	\$ 236
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,139	\$ 3,139
B-3b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 2,156	\$ 2,156
B-4a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,312	\$ 4,312
B-4b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,312	\$ 4,312
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	0.05	1.0	0.05	-	-	-	\$ -	\$ 24	\$ -	\$ 24
B-7	0.05	1.0	0.05	-	-	-	\$ -	\$ 212,911	\$ -	\$ 212,911
B-8	0.05	1.0	0.05	-	-	-	\$ -	\$ 217,393	\$ -	\$ 217,393
B-9a	0.05	1.0	0.05	-	-	-	\$ -	\$ 8,624	\$ -	\$ 8,624
B-9b	0.05	1.0	0.05	-	-	-	\$ -	\$ 4,312	\$ -	\$ 4,312
B-10a	0.05	1.0	0.05	-	-	-	\$ -	\$ 8,624	\$ -	\$ 8,624
B-10b	0.05	1.0	0.05	-	-	-	\$ -	\$ 4,312	\$ -	\$ 4,312
B-10c	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	0.05	1.0	0.05	-	60.0	2.9	\$ 306	\$ -	\$ 5,700	\$ 6,006
B-12	-	12.0	-	52.4	-	-	\$ -	\$ -	\$ -	\$ -
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14c	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	1.0	-	654.0	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	-	2.0	-	33.0	-	-	\$ -	\$ -	\$ -	\$ -
B-21	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 61	\$ 91,240	\$ 3,971	\$ 95,272
C-4	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 28,337	\$ 28,337
C-5	0.10	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,902	\$ 4,902
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 6,648	\$ 6,648
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	0.05	1.0	0.05	276.0	-	13.1	\$ 1,450	\$ -	\$ -	\$ 1,450
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,805	\$ 3,805
D-5	0.05	1.0	0.05	142.9	24.0	7.9	\$ 873	\$ -	\$ -	\$ 873
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ 465	\$ -	\$ 761	\$ 1,226
E-1	0.05	1.0	0.05	24.0	-	1.1	\$ 126	\$ -	\$ -	\$ 126
E-2	-	4.0	-	24.0	-	-	\$ -	\$ -	\$ -	\$ -
E-3	0.05	1.0	0.05	-	-	-	\$ -	\$ 2,945	\$ -	\$ 2,945
E-4	0.05	1.0	0.05	-	-	-	\$ -	\$ 494	\$ -	\$ 494
E-10	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 25	\$ 688	\$ -	\$ 713
F-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
G-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	0.05	1.0	0.05	120.0	-	5.7	\$ 631	\$ -	\$ -	\$ 631
G-8a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	1.0	-	40.0	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 126	\$ -	\$ -	\$ 126
H-1	-	1.0	-	8.0	-	-	\$ -	\$ -	\$ -	\$ -
H-2	0.05	1.0	0.05	4.0	-	0.2	\$ 21	\$ -	\$ -	\$ 21
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ 4	\$ -	\$ -	\$ 4
Total	0.10	n/a	1.81	n/a	n/a	655.7	\$ 84,486	\$ 551,565	\$ 1,029,064	\$ 1,665,116

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 3, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J
A-1	0.10	1.0	0.05	-	480.0	22.8	\$ 2,445	\$ -	\$ -	\$ 2,445
A-2	0.10	1.0	0.05	-	-	-	\$ -	\$ -	\$ 706,157	\$ 706,157
A-3	0.10	1.0	0.05	-	480.0	22.8	\$ 2,445	\$ -	\$ -	\$ 2,445
A-4	0.10	1.0	0.05	-	-	-	\$ -	\$ -	\$ 6,519	\$ 6,519
A-5	0.10	1.0	0.05	-	192.0	9.1	\$ 978	\$ -	\$ -	\$ 978
A-6	0.10	1.0	0.05	-	720.0	34.2	\$ 3,667	\$ -	\$ -	\$ 3,667
A-7	0.10	1.0	0.05	-	-	-	\$ -	\$ -	\$ 85,044	\$ 85,044
A-8	0.10	1.0	0.05	-	192.0	9.1	\$ 978	\$ -	\$ -	\$ 978
A-9	0.10	1.0	0.05	-	960.0	45.6	\$ 4,890	\$ -	\$ -	\$ 4,890
A-10	0.10	1.0	0.05	-	1,440.0	68.4	\$ 7,335	\$ -	\$ 2,936	\$ 10,270
A-11	0.10	1.0	0.05	-	2,287.1	108.6	\$ 11,650	\$ -	\$ -	\$ 11,650
A-12	0.10	1.0	0.05	-	2,287.1	108.6	\$ 11,650	\$ -	\$ -	\$ 11,650
A-13	0.10	1.0	0.05	-	1,715.4	81.5	\$ 8,737	\$ -	\$ -	\$ 8,737
A-14	0.10	1.0	0.05	-	2,400.0	114.0	\$ 12,224	\$ -	\$ -	\$ 12,224
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 13,400	\$ -	\$ 160,131	\$ 173,531
B-1	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 236	\$ 236
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,139	\$ 3,139
B-3b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 2,156	\$ 2,156
B-4a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,312	\$ 4,312
B-4b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,312	\$ 4,312
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	0.05	1.0	0.05	-	-	-	\$ -	\$ 24	\$ -	\$ 24
B-7	0.05	1.0	0.05	-	-	-	\$ -	\$ 212,911	\$ -	\$ 212,911
B-8	0.05	1.0	0.05	-	-	-	\$ -	\$ 217,393	\$ -	\$ 217,393
B-9a	0.05	1.0	0.05	-	-	-	\$ -	\$ 8,624	\$ -	\$ 8,624
B-9b	0.05	1.0	0.05	-	-	-	\$ -	\$ 4,312	\$ -	\$ 4,312
B-10a	0.05	1.0	0.05	-	-	-	\$ -	\$ 8,624	\$ -	\$ 8,624
B-10b	0.05	1.0	0.05	-	-	-	\$ -	\$ 4,312	\$ -	\$ 4,312
B-10c	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	0.05	1.0	0.05	-	60.0	2.9	\$ 306	\$ -	\$ 5,700	\$ 6,006
B-12	0.05	12.0	0.57	52.4	-	29.9	\$ 3,302	\$ -	\$ 11,941	\$ 15,243
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 16,843	\$ 16,843
B-14b	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 16,972	\$ 16,972
B-14c	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	1.0	-	654.0	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	0.05	2.0	0.10	33.0	-	3.1	\$ 347	\$ -	\$ -	\$ 347
B-21	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 791	\$ 91,240	\$ 13,122	\$ 105,153
C-4	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 28,337	\$ 28,337
C-5	0.10	1.0	0.05	-	-	-	\$ -	\$ -	\$ 4,902	\$ 4,902
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 6,648	\$ 6,648
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	0.05	1.0	0.05	276.0	-	13.1	\$ 1,450	\$ -	\$ -	\$ 1,450
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,805	\$ 3,805
D-5	0.05	1.0	0.05	142.9	24.0	7.9	\$ 873	\$ -	\$ -	\$ 873
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ 465	\$ -	\$ 761	\$ 1,226
E-1	0.05	1.0	0.05	24.0	-	1.1	\$ 126	\$ -	\$ -	\$ 126
E-2	0.05	4.0	0.19	24.0	-	4.6	\$ 504	\$ -	\$ 931	\$ 1,435
E-3	0.05	1.0	0.05	-	-	-	\$ -	\$ 2,945	\$ -	\$ 2,945
E-4	0.05	1.0	0.05	-	-	-	\$ -	\$ 494	\$ -	\$ 494
E-10	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 1,094	\$ 1,094
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 126	\$ 688	\$ 405	\$ 1,219
F-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 741	\$ 741
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	0.05	1.0	0.05	-	-	-	\$ -	\$ -	\$ 3,252	\$ 3,252
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 799	\$ 799
G-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	0.05	1.0	0.05	120.0	-	5.7	\$ 631	\$ -	\$ -	\$ 631
G-8a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	1.0	-	40.0	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 126	\$ -	\$ -	\$ 126
H-1	-	1.0	-	8.0	-	-	\$ -	\$ -	\$ -	\$ -
H-2	0.05	1.0	0.05	4.0	-	0.2	\$ 21	\$ -	\$ -	\$ 21
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ 4	\$ -	\$ -	\$ 4
Total	0.15	n/a	2.95	n/a	n/a	693.3	\$ 89,471	\$ 551,565	\$ 1,091,193	\$ 1,732,228

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 3)

ID#	Year 1										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	12.0	-	-	-	-	-	-
A-6	-	1.0	-	-	9.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	2.4	-	-	-	-	-	-
A-9	-	1.0	-	-	30.0	-	-	-	-	-	-
A-10	-	1.0	-	-	120.0	-	-	-	-	-	-
A-11	-	1.0	-	-	10.0	-	-	-	-	-	-
A-12	-	1.0	-	-	10.0	-	-	-	-	-	-
A-13	-	1.0	-	-	7.5	-	-	-	-	-	-
A-14	-	1.0	-	-	240.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	1.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	1.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	1.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	1.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	1.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	40.0	-	-	-	-	-	-
B-12	-	12.0	-	8.4	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	1.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	50.1	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	1.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	1,268.0	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	2.0	-	33.0	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	588.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	80.2	2.4	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
E-1	-	1.0	-	24.0	-	-	-	-	-	-	-
E-2	-	4.0	-	102.0	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	1.0	-	-	-	-	-	-	-	-	-
E-10	-	1.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	1.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	1.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	120.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	1.0	-	-	-	-	-	-	-	-	-
G-9	-	1.0	-	-	-	-	-	-	-	-	-
G-10	-	1.0	-	-	-	-	-	-	-	-	-
G-11	-	1.0	-	40.0	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	1.0	-	4.0	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	-	n/a	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 3, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	12.0	-	-	-	-	-
A-6	-	1.0	-	-	9.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	2.4	-	-	-	-	-
A-9	-	1.0	-	-	30.0	-	-	-	-	-
A-10	-	1.0	-	-	120.0	-	-	-	-	-
A-11	-	1.0	-	-	10.0	-	-	-	-	-
A-12	-	1.0	-	-	10.0	-	-	-	-	-
A-13	-	1.0	-	-	7.5	-	-	-	-	-
A-14	-	1.0	-	-	240.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	1.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	1.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	1.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	1.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	1.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	40.0	-	-	-	-	-
B-12	-	12.0	-	8.4	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	1.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	50.1	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	1.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	1,268.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	2.0	-	33.0	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	588.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	80.2	2.4	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	24.0	-	-	-	-	-	-
E-2	-	4.0	-	102.0	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	1.0	-	-	-	-	-	-	-	-
E-10	-	1.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	1.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	1.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	120.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	1.0	-	-	-	-	-	-	-	-
G-9	-	1.0	-	-	-	-	-	-	-	-
G-10	-	1.0	-	-	-	-	-	-	-	-
G-11	-	1.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	1.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 3, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	12.0	-	-	-	-	-
A-6	-	1.0	-	-	9.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	2.4	-	-	-	-	-
A-9	-	1.0	-	-	30.0	-	-	-	-	-
A-10	-	1.0	-	-	120.0	-	-	-	-	-
A-11	-	1.0	-	-	10.0	-	-	-	-	-
A-12	-	1.0	-	-	10.0	-	-	-	-	-
A-13	-	1.0	-	-	7.5	-	-	-	-	-
A-14	-	1.0	-	-	240.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	1.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	1.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	1.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	1.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	1.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	40.0	-	-	-	-	-
B-12	-	12.0	-	8.4	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	1.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	50.1	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	1.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	1,268.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	2.0	-	33.0	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	588.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	80.2	2.4	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	24.0	-	-	-	-	-	-
E-2	-	4.0	-	102.0	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	1.0	-	-	-	-	-	-	-	-
E-10	-	1.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	1.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	1.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	120.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	1.0	-	-	-	-	-	-	-	-
G-9	-	1.0	-	-	-	-	-	-	-	-
G-10	-	1.0	-	-	-	-	-	-	-	-
G-11	-	1.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	1.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 3)

ID#	Year 1										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	24.0	-	-	-	-	-	-
A-6	-	1.0	-	-	18.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	4.8	-	-	-	-	-	-
A-9	-	1.0	-	-	120.0	-	-	-	-	-	-
A-10	-	1.0	-	-	360.0	-	-	-	-	-	-
A-11	-	1.0	-	-	19.8	-	-	-	-	-	-
A-12	-	1.0	-	-	19.8	-	-	-	-	-	-
A-13	-	1.0	-	-	14.8	-	-	-	-	-	-
A-14	-	1.0	-	-	600.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	1.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	1.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	1.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	1.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	1.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	60.0	-	-	-	-	-	-
B-12	-	12.0	-	18.8	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	1.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	150.3	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	1.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	1,806.0	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	2.0	-	33.0	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	564.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	79.0	2.4	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
E-1	-	1.0	-	24.0	-	-	-	-	-	-	-
E-2	-	4.0	-	96.0	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	1.0	-	-	-	-	-	-	-	-	-
E-10	-	1.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	1.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	1.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	120.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	1.0	-	-	-	-	-	-	-	-	-
G-9	-	1.0	-	-	-	-	-	-	-	-	-
G-10	-	1.0	-	-	-	-	-	-	-	-	-
G-11	-	1.0	-	40.0	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	1.0	-	4.0	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-	-

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 3, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	24.0	-	-	-	-	-
A-6	-	1.0	-	-	18.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	4.8	-	-	-	-	-
A-9	-	1.0	-	-	120.0	-	-	-	-	-
A-10	-	1.0	-	-	360.0	-	-	-	-	-
A-11	-	1.0	-	-	19.8	-	-	-	-	-
A-12	-	1.0	-	-	19.8	-	-	-	-	-
A-13	-	1.0	-	-	14.8	-	-	-	-	-
A-14	-	1.0	-	-	600.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	1.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	1.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	1.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	1.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	1.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	60.0	-	-	-	-	-
B-12	-	12.0	-	18.8	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	1.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	150.3	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	1.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	1,806.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	2.0	-	33.0	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	564.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	79.0	2.4	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	24.0	-	-	-	-	-	-
E-2	-	4.0	-	96.0	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	1.0	-	-	-	-	-	-	-	-
E-10	-	1.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	1.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	1.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	120.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	1.0	-	-	-	-	-	-	-	-
G-9	-	1.0	-	-	-	-	-	-	-	-
G-10	-	1.0	-	-	-	-	-	-	-	-
G-11	-	1.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	1.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 3, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	24.0	-	-	-	-	-
A-6	-	1.0	-	-	18.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	4.8	-	-	-	-	-
A-9	-	1.0	-	-	120.0	-	-	-	-	-
A-10	-	1.0	-	-	360.0	-	-	-	-	-
A-11	-	1.0	-	-	19.8	-	-	-	-	-
A-12	-	1.0	-	-	19.8	-	-	-	-	-
A-13	-	1.0	-	-	14.8	-	-	-	-	-
A-14	-	1.0	-	-	600.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	1.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	1.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	1.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	1.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	1.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	60.0	-	-	-	-	-
B-12	-	12.0	-	18.8	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	1.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	150.3	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	1.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	1,806.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	2.0	-	33.0	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	564.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	79.0	2.4	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	24.0	-	-	-	-	-	-
E-2	-	4.0	-	96.0	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	1.0	-	-	-	-	-	-	-	-
E-10	-	1.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	1.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	1.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	120.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	1.0	-	-	-	-	-	-	-	-
G-9	-	1.0	-	-	-	-	-	-	-	-
G-10	-	1.0	-	-	-	-	-	-	-	-
G-11	-	1.0	-	40.0	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	1.0	-	4.0	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Appendix B.2: Permitting Authorities and Agency (RA 3)

Exhibit B.2.1: Activity Key for Permitting Authorities and Agency

ICR Activity	ID#	Sub Categories/Notes	Periodicity Code	Periodicity
A	B	C	D	E
Permitting Authority	I-1a	Administration (Staff Training, Rule Implementation).	1	One-time
Agency	I-1b	Federal Systems Updates.	2	Annual
Permitting Authority	I-2a	Review information required in general UIC permit (Includes initial review of closure and post-closure plans).	1	One-time
Permitting Authority	I-2b	Permitting Authority: review waiver applications.	1	One-time
Agency	I-2c	Federal level: review waiver applications for those originally reviewed by State/Tribe/Territory having primacy.	1	One-time
Permitting Authority	I-3	Review financial assurance of capacity to properly close, plug, and abandon well.	1	One-time
Permitting Authority	I-4	Review financial assurance of capacity to provide post-closure care.	1	One-time
Permitting Authority	I-5	Second review of proposed closure plan required by §146.92(b).	1	One-time
Permitting Authority	I-6	Second review of proposed post-closure care plan required by §146.93(a).	1	One-time
Permitting Authority	I-7	Review emergency response plan required by §146.94(a).	1	One-time
Permitting Authority	I-8	Review proposed remedial response plan required by §146.94(b).	1	One-time
Permitting Authority	I-9	Review information required in § 146.82(b)1 prior to issuing permit.	1	One-time
Permitting Authority	I-10	Review information required under § 146.86(b)(1) to determine and specify casing and cementing requirements.2	1	One-time
Permitting Authority	I-11	Review information required under § 146.86(c)(2) to determine and specify tubing and packer requirements.3	1	One-time
Permitting Authority	I-12	Evaluate mechanical integrity based on monitoring tests conducted since the last such evaluation and other mechanical integrity data.	1	One-time
Permitting Authority	I-13	Witness logging and testing.	1	One-time
Permitting Authority	I-14	Review construction procedures.	1	One-time
Permitting Authority	I-15	Review proposed injection procedure.	1	One-time
Permitting Authority	I-16	Review schematics of proposed wells.	1	One-time
Permitting Authority	I-17	Review contingency plans.	1	One-time
Permitting Authority	I-18	Review plans (including maps) for meeting monitoring requirements.	1	One-time
Permitting Authority	I-19	Review the corrective action proposed to be taken under §146.84 for wells within the area of review which penetrate the injection zone but are not properly completed or plugged.	1	One-time
Permitting Authority	I-20	Review of the information described in § 146.82(c) prior to granting approval for plugging and abandonment of a well.1	8	Post Injection, One-time
Permitting Authority	I-21	Analyze the pressure decay and the transient pressures recorded by owner/operator pursuant to §146.90(e) and determine whether the injection activity has conformed with predicted values[§ 146.92(e)(1)].5	3	Every 5 yrs
Permitting Authority	I-22	Review of each project's annual reports submitted by all operators of Class VI wells [§ 146.91]1 and recordkeeping.	0	Never
Permitting Authority	I-23	Review of each project's semi-annual (RA3) or quarterly (RA0) reports submitted by all operators of Class VI wells [§ 146.91]2 and recordkeeping.	2	Annual
Permitting Authority	I-24	Review of each project's monthly reports submitted by all operators of Class VI wells [§ 146.91]3 and recordkeeping.	0	Never
Permitting Authority	I-25	Review AoR modeling update (simple model).	0	Never
Permitting Authority	I-26	Review AoR modeling update (complex model).	3	Every 5 yrs
Permitting Authority/ Agency	I-27	Prepare / Review primacy applications.	1	One-time

Sources:

(A) - (E): GS Rule Cost Model.

Notes:

1) Certain events require the owner or operator to notify the state within 24 hours. These are associated with triggers indicating potential endangerment to USDWs and for modeling purposes the reviews of these reports are included under I-23.

Exhibit B.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 3)

Year 1										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	32.0	1.0	32.0	1,040.0	-	33,280.0	\$ 1,645,363	\$ -	\$ -	\$ 1,645,363
Administration (Staff Training, Rule Implementation).	32.0	1.0	32.0	6.7	5.3	384.0	\$ 18,985	\$ -	\$ -	\$ 18,985
Total	32.0	n/a	64.0	n/a	n/a	33664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = (State labor rate * E + Federal labor rate * F) * D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 3)

Year 1										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	32.0	32.0	90.0	2,880.0	\$ 144,415	\$ -	\$ -	\$ 144,415	
Federal Systems Updates.	1.0	1.0	1.0	4,160.0	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	
Total	1.0	n/a	33.0	n/a	7,040.0	\$ 353,014	\$ -	\$ -	\$ 353,014	

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = Federal labor rate * E * D

Sources:

(B), (E), (H)-(I): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 3, Cont.)

Year 2										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	0.0	1.0	0.0	1040.0	-	-	\$ -	\$ -	\$ -	\$ -
Administration (Staff Training, Rule Implementation).	0.0	1.0	0.0	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
Total	0.0	n/a	0.0	1,046.7	5.3	-	\$ -	\$ -	\$ -	\$ -

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = (State labor rate * E + Federal labor rate * F) * D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 3, Cont.)

Year 2										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	0.0	0.0	90.0	-	\$ -	\$ -	\$ -	\$ -	
Federal Systems Updates.	1.0	1.0	1.0	4,160.0	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	
Total	1.0	n/a	1.0	n/a	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = Federal labor rate * E * D

Sources:

(B), (E), (H)-(I): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 3, Cont.)

Year 3										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	0.0	1.0	0.0	1040.0	-	-	\$ -	\$ -	\$ -	\$ -
Administration (Staff Training, Rule Implementation).	0.0	1.0	0.0	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
Total	0.0	n/a	0.0	1,046.7	5.3	-	\$ -	\$ -	\$ -	\$ -

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = (State labor rate * E + Federal labor rate * F) * D

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 3, Cont.)

Year 3										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	0.0	0.0	90.0	-	\$ -	\$ -	\$ -	\$ -	
Federal Systems Updates.	1.0	1.0	1.0	4,160.0	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	
Total	1.0	n/a	1.0	n/a	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599	

Notes:

Primacy applications are assumed to be prepared and submitted by states seeking primacy within the first year after promulgation. Based on existing UIC programs, 32 states are assumed to seek primacy for Class VI wells. EPA is expected to review these applications in the year in which they're submitted, or 32 over the first year.

(G) = Federal labor rate * E * D

Sources:

(B), (E), (H)-(I): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 3)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 3, Cont.)

Year 2										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 3, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 3)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 3, Cont.)

Year 2										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	0.86	1.0	0.86	22.5	17.5	34.2	\$ 1,701	\$ -	\$ -	\$ 1,701
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-4	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-5	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-6	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-7	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-8	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-9	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-10	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-11	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-12	0.86	1.0	0.86	1.7	1.3	2.6	\$ 128	\$ -	\$ -	\$ 128
I-13	0.86	1.0	0.86	1.7	1.3	2.6	\$ 128	\$ -	\$ -	\$ 128
I-14	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-15	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-16	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-17	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-18	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-19	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	0.86	n/a	15.39	n/a	n/a	90.6	\$ 4,509	\$ -	\$ -	\$ 4,509

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 3, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	0.86	1.0	0.86	22.5	17.5	34.2	\$ 1,701	\$ -	\$ -	\$ 1,701
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-4	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-5	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-6	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-7	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-8	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-9	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-10	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-11	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-12	0.86	1.0	0.86	1.7	1.3	2.6	\$ 128	\$ -	\$ -	\$ 128
I-13	0.86	1.0	0.86	1.7	1.3	2.6	\$ 128	\$ -	\$ -	\$ 128
I-14	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-15	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-16	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-17	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-18	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-19	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	0.86	n/a	16.25	n/a	n/a	94.1	\$ 4,679	\$ -	\$ -	\$ 4,679

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 3)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	-	-	-	-
I-2b	-	1.0	-	44.9	35.1	-	-	-	-	-
I-3	-	1.0	-	2.2	1.8	-	-	-	-	-
I-4	-	1.0	-	2.2	1.8	-	-	-	-	-
I-5	-	1.0	-	2.2	1.8	-	-	-	-	-
I-6	-	1.0	-	2.2	1.8	-	-	-	-	-
I-7	-	1.0	-	2.2	1.8	-	-	-	-	-
I-8	-	1.0	-	2.2	1.8	-	-	-	-	-
I-9	-	1.0	-	2.2	1.8	-	-	-	-	-
I-10	-	1.0	-	2.2	1.8	-	-	-	-	-
I-11	-	1.0	-	2.2	1.8	-	-	-	-	-
I-12	-	1.0	-	1.7	1.3	-	-	-	-	-
I-13	-	1.0	-	1.7	1.3	-	-	-	-	-
I-14	-	1.0	-	2.2	1.8	-	-	-	-	-
I-15	-	1.0	-	2.2	1.8	-	-	-	-	-
I-16	-	1.0	-	2.2	1.8	-	-	-	-	-
I-17	-	1.0	-	2.2	1.8	-	-	-	-	-
I-18	-	1.0	-	2.2	1.8	-	-	-	-	-
I-19	-	1.0	-	2.2	1.8	-	-	-	-	-
I-20	-	1.0	-	2.2	1.8	-	-	-	-	-
I-21	-	1.0	-	13.5	10.5	-	-	-	-	-
I-22	-	0.0	-	-	-	-	-	-	-	-
I-23	-	1.0	-	2.2	1.8	-	-	-	-	-
I-24	-	0.0	-	-	-	-	-	-	-	-
I-25	-	0.0	-	-	-	-	-	-	-	-
I-26	-	1.0	-	2.2	1.8	-	-	-	-	-
Total	-	n/a	-	n/a	n/a	-	-	-	-	-

Notes:

- (H) = ((State labor rate * E) + (Federal labor rate * F))*D
- Activity I-2a is not applicable to projects that are seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 3)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	1.0	-	-	44.9	-	-	-	-	-

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 3, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	0.10	1.0	0.10	44.9	35.1	7.6	\$ 378	\$ -	\$ -	\$ 378
I-3	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-4	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-5	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-6	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-7	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-8	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-9	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-10	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-11	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-12	0.10	1.0	0.10	1.7	1.3	0.3	\$ 14	\$ -	\$ -	\$ 14
I-13	0.10	1.0	0.10	1.7	1.3	0.3	\$ 14	\$ -	\$ -	\$ 14
I-14	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-15	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-16	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-17	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-18	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-19	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	0.10	n/a	1.71	n/a	n/a	13.9	\$ 690	\$ -	\$ -	\$ 690

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2a is not applicable to projects that are seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 3, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	0.10	1.0	0.10	-	44.9	4.3	\$ 214	\$ -	\$ -	\$ 214

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 3, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	0.10	1.0	0.10	44.9	35.1	7.6	\$ 378	\$ -	\$ -	\$ 378
I-3	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-4	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-5	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-6	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-7	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-8	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-9	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-10	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-11	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-12	0.10	1.0	0.10	1.7	1.3	0.3	\$ 14	\$ -	\$ -	\$ 14
I-13	0.10	1.0	0.10	1.7	1.3	0.3	\$ 14	\$ -	\$ -	\$ 14
I-14	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-15	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-16	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-17	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-18	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-19	0.10	1.0	0.10	2.2	1.8	0.4	\$ 19	\$ -	\$ -	\$ 19
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	0.05	1.0	0.05	2.2	1.8	0.2	\$ 9	\$ -	\$ -	\$ 9
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	0.10	n/a	1.76	n/a	n/a	14.1	\$ 699	\$ -	\$ -	\$ 699

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2a is not applicable to projects that are seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 3, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	0.10	1.0	0.10	-	44.9	4.3	\$ 214	\$ -	\$ -	\$ 214

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 3)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 3, Cont.)

Year 2										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 3, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 3)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	44.9	35.1	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2a is not applicable to projects that are seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 3)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	1.0	-	-	44.9	-	\$ -	\$ -	\$ -	\$ -

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 3, Cont.)

Year 2										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	44.9	35.1	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2a is not applicable to projects that are seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 3, Cont.)

Year 2										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	1.0	-	-	44.9	-	\$ -	\$ -	\$ -	\$ -

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 3, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	1.0	-	44.9	35.1	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	1.7	1.3	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	13.5	10.5	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2a is not applicable to projects that are seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit B.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 3, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	1.0	-	-	44.9	-	\$ -	\$ -	\$ -	\$ -

Notes:

EPA assumes that Agency will incur burden to provide a second level of review to all waiver applications first reviewed by states with primacy.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Appendix B.3: Summary Tables (RA 3)

Exhibit B.3.1a: Total Owners and Operators Burden and Cost, Years 1 - 3 (RA 3)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	2.66	86.85	11,136.8	\$ 1,464,927	\$ 19,534,931	\$ 20,962,325	\$ 41,962,184
Saline Large, Waivered	0.25	6.33	1,349.0	\$ 173,957	\$ 1,103,130	\$ 2,120,257	\$ 3,397,344
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	2.90	93.18	12,485.8	\$ 1,638,885	\$ 20,638,061	\$ 23,082,583	\$ 45,359,528

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.1b: Total Permitting Authorities Burden and Cost, Years 1 - 3 (RA 3)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.71	31.64	184.7	\$ 9,188	\$ -	\$ -	\$ 9,188
Saline Large, Waivered	0.19	3.47	27.9	\$ 1,389	\$ -	\$ -	\$ 1,389
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project Independent Activities	32.00	64.00	33,664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348
Total	32.00	99.10	33,876.6	\$ 1,674,925	\$ -	\$ -	\$ 1,674,925

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.1c: Total Agency Burden and Cost, Years 1 - 3 (RA 3)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.19	0.19	8.5	\$ 428	\$ -	\$ -	\$ 428
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	35.00	15,360.0	\$ 770,212	\$ -	\$ -	\$ 770,212
Total	1.00	35.19	15,368.5	\$ 770,640	\$ -	\$ -	\$ 770,640

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.1d: Total Burden and Cost, All Parties, Years 1 - 3 (RA 3)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	2.90	93.18	12,485.8	\$ 1,638,885	\$ 20,638,061	\$ 23,082,583	\$ 45,359,528
Permitting Authorities	32.00	99.10	33,876.6	\$ 1,674,925	\$ -	\$ -	\$ 1,674,925
Agency	1.00	35.19	15,368.5	\$ 770,640	\$ -	\$ -	\$ 770,640
Total	35.90	227.47	61,730.9	\$ 4,084,450	\$ 20,638,061	\$ 23,082,583	\$ 47,805,093

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	-	-	\$ -	\$ -	\$ -	\$ -

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	32.00	64.00	33,664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348
Total	32.00	64.00	33,664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	33.00	7,040.0	\$ 353,014	\$ -	\$ -	\$ 353,014
Total	1.00	33.00	7,040.0	\$ 353,014	\$ -	\$ -	\$ 353,014

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	-	-	-	\$ -	\$ -	\$ -	\$ -
Permitting Authorities	32.00	64.00	33,664.0	\$ 1,664,348	\$ -	\$ -	\$ 1,664,348
Agency	1.00	33.00	7,040.0	\$ 353,014	\$ -	\$ -	\$ 353,014
Total	33.00	97.00	40,704.0	\$ 2,017,362	\$ -	\$ -	\$ 2,017,362

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.90	33.17	5,379.7	\$ 707,419	\$ 9,767,465	\$ 10,084,781	\$ 20,559,666
Saline Large, Waivered	0.10	2.59	655.7	\$ 84,486	\$ 551,565	\$ 1,029,064	\$ 1,665,116
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	35.76	6,035.4	\$ 791,906	\$ 10,319,030	\$ 11,113,845	\$ 22,224,781

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.86	15.39	90.6	\$ 4,509	\$ -	\$ -	\$ 4,509
Saline Large, Waivered	0.10	1.71	13.9	\$ 690	\$ -	\$ -	\$ 690
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.95	17.10	104.5	\$ 5,199	\$ -	\$ -	\$ 5,199

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.10	0.10	4.3	\$ 214	\$ -	\$ -	\$ 214
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.10	4,164.3	\$ 208,813	\$ -	\$ -	\$ 208,813

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	1.00	35.76	6,035.4	\$ 791,906	\$ 10,319,030	\$ 11,113,845	\$ 22,224,781
Permitting Authorities	0.95	17.10	104.5	\$ 5,199	\$ -	\$ -	\$ 5,199
Agency	1.00	1.10	4,164.3	\$ 208,813	\$ -	\$ -	\$ 208,813
Total	2.95	53.95	10,304.2	\$ 1,005,917	\$ 10,319,030	\$ 11,113,845	\$ 22,438,793

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.76	53.69	5,757.1	\$ 757,508	\$ 9,767,465	\$ 10,877,545	\$ 21,402,518
Saline Large, Waivered	0.15	3.73	693.3	\$ 89,471	\$ 551,565	\$ 1,091,193	\$ 1,732,228
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.90	57.42	6,450.3	\$ 846,979	\$ 10,319,030	\$ 11,968,737	\$ 23,134,747

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.86	16.25	94.1	\$ 4,679	\$ -	\$ -	\$ 4,679
Saline Large, Waivered	0.10	1.76	14.1	\$ 699	\$ -	\$ -	\$ 699
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.95	18.00	108.1	\$ 5,378	\$ -	\$ -	\$ 5,378

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.10	0.10	4.3	\$ 214	\$ -	\$ -	\$ 214
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.10	4,164.3	\$ 208,813	\$ -	\$ -	\$ 208,813

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	1.90	57.42	6,450.3	\$ 846,979	\$ 10,319,030	\$ 11,968,737	\$ 23,134,747
Permitting Authorities	0.95	18.00	108.1	\$ 5,378	\$ -	\$ -	\$ 5,378
Agency	1.00	1.10	4,164.3	\$ 208,813	\$ -	\$ -	\$ 208,813
Total	3.85	76.52	10,722.7	\$ 1,061,170	\$ 10,319,030	\$ 11,968,737	\$ 23,348,938

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.51	107.37	11,514.1	\$ 1,515,016	\$ 19,534,931	\$ 21,755,089	\$ 42,805,036
Saline Large, Waivered	0.30	7.47	1,386.5	\$ 178,941	\$ 1,103,130	\$ 2,182,386	\$ 3,464,457
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.81	114.84	12,900.6	\$ 1,693,958	\$ 20,638,061	\$ 23,937,475	\$ 46,269,493

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.71	32.49	188.1	\$ 9,358	\$ -	\$ -	\$ 9,358
Saline Large, Waivered	0.19	3.52	28.1	\$ 1,399	\$ -	\$ -	\$ 1,399
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.90	36.01	216.2	\$ 10,757	\$ -	\$ -	\$ 10,757

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.19	0.19	8.5	\$ 428	\$ -	\$ -	\$ 428
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.19	4,168.5	\$ 209,027	\$ -	\$ -	\$ 209,027

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	3.81	114.84	12,900.6	\$ 1,693,958	\$ 20,638,061	\$ 23,937,475	\$ 46,269,493
Permitting Authorities	1.90	36.01	216.2	\$ 10,757	\$ -	\$ -	\$ 10,757
Agency	1.00	1.19	4,168.5	\$ 209,027	\$ -	\$ -	\$ 209,027
Total	6.71	152.03	17,285.4	\$ 1,913,741	\$ 20,638,061	\$ 23,937,475	\$ 46,489,277

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	82.08	1,509.3	\$ 200,356	\$ -	\$ 3,171,054	\$ 3,371,410
Saline Large, Waivered	0.19	4.56	150.2	\$ 19,937	\$ -	\$ 248,514	\$ 268,451
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.61	86.64	1,659.5	\$ 220,293	\$ -	\$ 3,419,568	\$ 3,639,861

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	3.42	13.7	\$ 681	\$ -	\$ -	\$ 681
Saline Large, Waivered	0.19	0.19	0.8	\$ 38	\$ -	\$ -	\$ 38
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.61	3.61	14.4	\$ 718	\$ -	\$ -	\$ 718

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	3.61	86.64	1,659.5	\$ 220,293	\$ -	\$ 3,419,568	\$ 3,639,861
Permitting Authorities	3.61	3.61	14.4	\$ 718	\$ -	\$ -	\$ 718
Agency	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	8.22	91.25	5,833.9	\$ 429,610	\$ -	\$ 3,419,568	\$ 3,849,178

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	5.22	148.41	12,268.7	\$ 1,615,194	\$ 19,534,931	\$ 23,340,616	\$ 44,490,741
Saline Large, Waivered	0.39	9.75	1,461.6	\$ 188,910	\$ 1,103,130	\$ 2,306,642	\$ 3,598,682
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	5.61	158.16	13,730.4	\$ 1,804,104	\$ 20,638,061	\$ 25,647,259	\$ 48,089,424

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	34.20	194.9	\$ 9,698	\$ -	\$ -	\$ 9,698
Saline Large, Waivered	0.19	3.61	28.5	\$ 1,418	\$ -	\$ -	\$ 1,418
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.61	37.81	223.4	\$ 11,116	\$ -	\$ -	\$ 11,116

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.19	0.19	8.5	\$ 428	\$ -	\$ -	\$ 428
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.19	4,168.5	\$ 209,027	\$ -	\$ -	\$ 209,027

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	5.61	158.16	13,730.4	\$ 1,804,104	\$ 20,638,061	\$ 25,647,259	\$ 48,089,424
Permitting Authorities	3.61	37.81	223.4	\$ 11,116	\$ -	\$ -	\$ 11,116
Agency	1.00	1.19	4,168.5	\$ 209,027	\$ -	\$ -	\$ 209,027
Total	10.22	197.16	18,122.3	\$ 2,024,247	\$ 20,638,061	\$ 25,647,259	\$ 48,309,566

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	76.00	6,375.6	\$ 854,335	\$ 5,802,687	\$ 2,471,684	\$ 9,128,706
Saline Large, Non-Waivered	9.63	293.22	29,535.4	\$ 3,887,116	\$ 48,837,327	\$ 55,856,702	\$108,581,146
Saline Large, Waivered	0.79	20.04	3,534.9	\$ 456,461	\$ 2,757,825	\$ 5,555,881	\$ 8,770,167
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	12.42	389.26	39,445.9	\$ 5,197,913	\$ 57,397,839	\$ 63,884,267	\$126,480,019

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	36.00	212.0	\$ 10,547	\$ -	\$ -	\$ 10,547
Saline Large, Non-Waivered	5.13	83.79	497.6	\$ 24,755	\$ -	\$ -	\$ 24,755
Saline Large, Waivered	0.48	8.93	71.8	\$ 3,573	\$ -	\$ -	\$ 3,573
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	7.61	128.72	781.4	\$ 38,875	\$ -	\$ -	\$ 38,875

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	0.48	0.48	21.3	\$ 1,070	\$ -	\$ -	\$ 1,070
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.48	4,181.3	\$ 209,669	\$ -	\$ -	\$ 209,669

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	12.42	389.26	39,445.9	\$ 5,197,913	\$ 57,397,839	\$ 63,884,267	\$126,480,019
Permitting Authorities	7.61	128.72	781.4	\$ 38,875	\$ -	\$ -	\$ 38,875
Agency	1.00	1.48	4,181.3	\$ 209,669	\$ -	\$ -	\$ 209,669
Total	21.02	519.46	44,408.7	\$ 5,446,457	\$ 57,397,839	\$ 63,884,267	\$126,728,563

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	48.00	372.0	\$ 49,383	\$ -	\$ 476,963	\$ 526,345
Saline Large, Non-Waivered	9.41	230.00	4,523.3	\$ 600,465	\$ -	\$ 9,396,615	\$ 9,997,080
Saline Large, Waivered	0.52	12.78	444.1	\$ 58,951	\$ -	\$ 721,201	\$ 780,151
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	290.77	5,339.4	\$ 708,798	\$ -	\$ 10,594,779	\$ 11,303,577

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	2.00	8.0	\$ 398	\$ -	\$ -	\$ 398
Saline Large, Non-Waivered	9.41	11.12	61.6	\$ 3,063	\$ -	\$ -	\$ 3,063
Saline Large, Waivered	0.52	0.62	3.4	\$ 170	\$ -	\$ -	\$ 170
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	13.73	73.0	\$ 3,631	\$ -	\$ -	\$ 3,631

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.93	290.77	5,339.4	\$ 708,798	\$ -	\$ 10,594,779	\$ 11,303,577
Permitting Authorities	11.93	13.73	73.0	\$ 3,631	\$ -	\$ -	\$ 3,631
Agency	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	24.86	305.51	9,572.4	\$ 921,028	\$ -	\$ 10,594,779	\$ 11,515,806

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	48.00	372.0	\$ 49,383	\$ -	\$ 476,963	\$ 526,345
Saline Large, Non-Waivered	9.41	234.27	4,896.1	\$ 649,951	\$ -	\$ 10,072,831	\$ 10,722,782
Saline Large, Waivered	0.52	13.02	475.1	\$ 63,074	\$ -	\$ 758,989	\$ 822,064
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	295.29	5,743.2	\$ 762,408	\$ -	\$ 11,308,783	\$ 12,071,191

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	2.00	8.0	\$ 398	\$ -	\$ -	\$ 398
Saline Large, Non-Waivered	9.41	12.83	85.5	\$ 4,254	\$ -	\$ -	\$ 4,254
Saline Large, Waivered	0.52	0.71	4.8	\$ 236	\$ -	\$ -	\$ 236
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	15.54	98.3	\$ 4,888	\$ -	\$ -	\$ 4,888

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.93	295.29	5,743.2	\$ 762,408	\$ -	\$ 11,308,783	\$ 12,071,191
Permitting Authorities	11.93	15.54	98.3	\$ 4,888	\$ -	\$ -	\$ 4,888
Agency	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	24.86	311.82	10,001.5	\$ 975,895	\$ -	\$ 11,308,783	\$ 12,284,678

Sources: Exhibits B.3.2a-B.3.2c.

Exhibit B.3.2a: Owners and Operators Burden and Cost (RA 3, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	48.00	372.0	\$ 49,383	\$ -	\$ 476,963	\$ 526,345
Saline Large, Non-Waivered	9.41	225.72	4,150.5	\$ 550,979	\$ -	\$ 8,720,399	\$ 9,271,378
Saline Large, Waivered	0.52	12.54	413.0	\$ 54,827	\$ -	\$ 683,412	\$ 738,239
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	286.26	4,935.5	\$ 655,188	\$ -	\$ 9,880,774	\$ 10,535,962

Sources: Exhibits B.1.2-B.1.6.

Exhibit B.3.2b: Permitting Authorities Burden and Cost (RA 3, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	2.00	8.0	\$ 398	\$ -	\$ -	\$ 398
Saline Large, Non-Waivered	9.41	9.41	37.6	\$ 1,872	\$ -	\$ -	\$ 1,872
Saline Large, Waivered	0.52	0.52	2.1	\$ 104	\$ -	\$ -	\$ 104
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.93	11.93	47.7	\$ 2,374	\$ -	\$ -	\$ 2,374

Sources: Exhibits B.2.2a, B.2.3-B.2.5a, B.2.6, B.2.7a.

Exhibit B.3.2c: Agency Burden and Cost (RA 3, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599

Source: Exhibits B.2.2b, B.2.5b, B.2.7b.

Exhibit B.3.2d: Total Burden and Cost, All Parties (RA 3, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.93	286.26	4,935.5	\$ 655,188	\$ -	\$ 9,880,774	\$ 10,535,962
Permitting Authorities	11.93	11.93	47.7	\$ 2,374	\$ -	\$ -	\$ 2,374
Agency	1.00	1.00	4,160.0	\$ 208,599	\$ -	\$ -	\$ 208,599
Total	24.86	299.19	9,143.3	\$ 866,160	\$ -	\$ 9,880,774	\$ 10,746,934

Sources: Exhibits B.3.2a-B.3.2c.

Appendix C:
GS Rule Baseline
Burden and Costs Spreadsheets
(Regulatory Alternative 0)

Appendix C.1: Owners and Operators (RA 0)

Exhibit C.1.1: Activity Key for Owners and Operators

ICR Activity	ID#	Sub Categories/Notes	Periodicity	Periodicity
			Code	E
A	B	C	D	E
Geologic Site Characterization	A-1	Develop maps and cross sections of local geologic structure.	1	One-time
Geologic Site Characterization	A-2	Conduct 3D seismic survey to identify faults and fractures in primary and secondary containment units.	1	One-time
Geologic Site Characterization	A-3	Obtain and analyze seismic (earthquake) history.	1	One-time
Geologic Site Characterization	A-4	Remote (aerial) survey of land, land uses, structures etc.	1	One-time
Geologic Site Characterization	A-5	Obtain data on area, thickness, capacity, porosity and permeability of receiving formations and confining systems.	1	One-time
Geologic Site Characterization	A-6	Obtain geomechanical information on fractures, stress, rock strength, in situ fluid pressures (from existing data and literature).	1	One-time
Geologic Site Characterization	A-7	Obtain geomechanical information on fractures, stress, rock strength, in situ fluid pressures (new cores and tests).	1	One-time
Geologic Site Characterization	A-8	List names and depth of all potentially affected Underground Sources of Drinking Water (USDWs).	1	One-time
Geologic Site Characterization	A-9	Provide geochemical information and maps/cross section on subsurface aquifers.	1	One-time
Geologic Site Characterization	A-10	Provide information on water-rock-CO2 geochemistry and mineral reactions.	1	One-time
Geologic Site Characterization	A-11	Develop list of penetrations into injection zone within AoR (from well history data bases).	1	One-time
Geologic Site Characterization	A-12	Develop list of penetrations into containment systems within AoR (from well history data bases).	0	Never
Geologic Site Characterization	A-13	Develop list of water wells within AoR (from public data).	1	One-time
Geologic Site Characterization	A-14	Prepare geologic characterization report demonstrating: suitability of receiving zone, storage capacity and injectivity, trapping mechanism free of nonsealing faults, competent confining system, etc.	1	One-time
Geologic Site Characterization	A-15	G&A	1	One-time
Monitoring	B-1	Develop geochemical baseline for injection zones and confining zone. Assumes 4 samples per injection well.	1	One-time
Monitoring	B-2	Develop baseline of surface air CO2 flux for leakage monitoring.	0	Never
Monitoring	B-3a	Conduct front-end engineering and design for monitoring wells stopping above the confining zone.	1	One-time
Monitoring	B-3b	Conduct front-end engineering and design for monitoring wells drilling into the injection zone.	0	Never
Monitoring	B-4a	Obtain rights-of-way for surface uses (monitoring wells stopping above confining zone).	1	One-time
Monitoring	B-4b	Obtain rights-of-way for surface uses (monitoring wells drilling into injection zone).	0	Never
Monitoring	B-5	Obtain rights-of-way for surface uses (monitoring sites).	0	Never
Monitoring	B-6	Check valve (Director discretion to require down-hole shut-off valve, but expected to be check valves in all but the most exceptional cases).	1	One-time
Monitoring	B-7	Standard monitoring well stopping above the confining zone (used look up table). Standard monitoring wells for ER projects stop below the injection zone.	1	One-time
Monitoring	B-8	Standard monitoring well drilled into the injection zone (used look up table; applies to RA3-4 only).	0	Never
Monitoring	B-9a	Pressure, temperature, and resistivity gauges and related equipment for monitoring wells stopping above the injection zone.	1	One-time
Monitoring	B-9b	Pressure, temperature, and resistivity gauges and related equipment for monitoring wells drilling into the injection zone.	0	Never
Monitoring	B-10a	Salinity, CO2, tracer, etc. monitoring equipment for wells stopping above the injection zone (portion of equipment may be at surface such as for periodic in situ sampling using U-tubes).	1	One-time
Monitoring	B-10b	Salinity, CO2, tracer, etc. monitoring equipment for wells drilling into the injection zone (portion of equipment may be at surface such as for periodic in situ sampling using U-tubes).	0	Never
Monitoring	B-10c	ER only, U-tube for sensing oil movement away from bottom of formation. Applies to 1 of every 4 monitoring wells drilled into the injection zone.	1	One-time
Monitoring	B-11a	Develop plan and implement Eddy Covariance air monitoring.	0	Never
Monitoring	B-11b	Develop plan and implement Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation. Costs are for planning and quality assurance (no construction costs).	0	Never
Monitoring	B-11c	Develop plan and implement LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse. Costs are for planning and quality assurance (no construction costs).	0	Never
Monitoring	B-11d	Develop plan and implement soil zone monitoring.	0	Never
Monitoring	B-11e	Develop plan and implement vadose zone monitoring wells to sample gas above water table.	0	Never
Monitoring	B-11f	Develop plan and implement monitoring wells for ground water quality and geochemistry.	1	One-time
Monitoring	B-12	Conduct periodic monitoring of groundwater quality and geochemistry.	4	Monthly
Monitoring	B-13	Surface microseismic detection equipment: geophone arrays in monitoring wells.	0	Never
Monitoring	B-14a	Monitoring well O&M for wells stopping above the injection zone.	2	Annual
Monitoring	B-14b	Monitoring well O&M for wells drilling into the injection zone.	0	Never
Monitoring	B-14c	ER only, U-tube O&M for 1 of 4 monitoring wells drilled into the injection zone.	2	Annual
Monitoring	B-15a	Annual cost of air and soil surveys: Eddy Covariance.	0	Never
Monitoring	B-15b	Annual cost of air and soil surveys: Digital Color Infrared Orthoimagery (CIR) or Hyperspectral Imaging to detect changes to vegetation.	0	Never
Monitoring	B-15c	Annual cost of air and soil surveys: LIDAR airborne survey to detect surface leaks. Works best where vegetation is sparse.	0	Never
Monitoring	B-15d	Annual cost of air and soil surveys: soil zone monitoring.	0	Never
Monitoring	B-15e	Annual cost of air and soil surveys: vadose zone monitoring wells to sample gas above water table.	0	Never
Monitoring	B-15f	Annual cost of air and soil surveys: monitoring wells for gas samples from water table.	0	Never
Monitoring	B-16	Annual cost of passive seismic equipment.	0	Never
Monitoring	B-17	Periodic seismic surveys: 3D.	0	Never
Monitoring	B-18	Complex modeling of fluid flows and migration (reservoir simulations) over 100 years (RA0-3) or 10,000 years (RA4). Includes AoR and corrective action reevaluation and updating well plugging and monitoring/testing plans.	3	Every 5 yrs
Monitoring	B-19	Annual reports to regulators and recordkeeping for all data gathering activities.	0	Never
Monitoring	B-20	Semi-Annual (RA3) or quarterly (RA0) reports to regulators and recordkeeping for all data gathering activities.	6	Quarterly
Monitoring	B-21	Monthly reports to regulators and recordkeeping for all data gathering activities and recordkeeping.	0	Never
Monitoring	B-22	G&A	1	One-time

Notes:

1) The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

2) Certain events require the owner or operator to notify the state within 24 hours. These are associated with triggers indicating potential endangerment to USDWs and for modeling purposes are included under B-20.

Sources:

(A) - (E): GS Rule Cost Model.

Exhibit C.1.1: Activity Key for Owners and Operators (Cont.)

ICR Activity	ID#	Sub Categories/Notes	Periodicity Code	Periodicity
A	B	C	D	E
Injection Well Construction	C-4	Land use, air emissions, water discharge permits.	1	One-time
Injection Well Construction	C-5	UIC permit filing, including preparation of attachments (see T&C Document for detail).	1	One-time
Injection Well Construction	C-17	G&A	1	One-time
AoR Study & Corrective Action	D-1	Simple fluid flow calculations to predict CO2 fluid flow.	0	Never
AoR Study & Corrective Action	D-2	Complex modeling of CO2 fluid flows and migration (reservoir simulations) over 100 years.	1	One-time
AoR Study & Corrective Action	D-3	Complex modeling of CO2 fluid flows and migration (reservoir simulations) over 10,000 years.	0	Never
AoR Study & Corrective Action	D-4	Aerial search for old wells (artificial penetrations). This includes helicopter magnetic survey and follow-up ground survey.	1	One-time
AoR Study & Corrective Action	D-5	Evaluate integrity of construction and record of completion and/or plugging of existing wells that penetrate containment system.	1	One-time
AoR Study & Corrective Action	D-6	Evaluate integrity of construction and record of completion and/or plugging of existing shallow wells that pose a threat to USDWs.	0	Never
AoR Study & Corrective Action	D-9	G&A	1	One-time
Well operation	E-1	Develop a corrosion monitoring and prevention program.	1	One-time
Well operation	E-2	Corrosion monitoring: analysis of injectate stream and measurement of corrosion of well material coupons.	6	Quarterly
Well operation	E-3	Continuous measurement / monitoring equipment: injected volumes, pressure, flow rates and annulus pressure.	1	One-time
Well operation	E-4	Equipment to add tracers.	0	Never
Well operation	E-10	Tracers in injected fluid.	0	Never
Well operation	E-14	G&A	1	One-time
Mechanical Integrity Tests	F-1	Internal Mechanical integrity pressure test.	3	Every 5 yrs
Mechanical Integrity Tests	F-2	Casing inspection log every.	0	Never
Mechanical Integrity Tests	F-3	Conduct a tracer survey of the bottom-hole cement using a CO2-soluble isotope.	7	Biannual
Mechanical Integrity Tests	F-4	Conduct a tracer survey of the bottom-hole cement using a CO2-soluble isotope.	0	Never
Mechanical Integrity Tests	F-5	External mechanical integrity tests to detect flow adjacent to well using temperature or noise log at least annually.	0	Never
Mechanical Integrity Tests	F-6	External mechanical integrity tests to detect flow adjacent to well using temperature or noise log at least every 6 months.	0	Never
Mechanical Integrity Tests	F-7	Conduct pressure fall-off test.	3	Every 5 yrs
Mechanical Integrity Tests	F-8	Conduct pressure fall-off test.	0	Never
Mechanical Integrity Tests	F-9	G&A	1	One-time
Closure and Post-Injection Care	G-3	Perform a mechanical integrity test prior to plugging to evaluate integrity of casing and cement to remain in ground.	8	Post Injection, One-time
Closure and Post-Injection Care	G-7	Document plugging and closure process (well plugging, post-injection plans, notification of intent to close, and post closure report).	1	One-time
Closure and Post-Injection Care	G-8a	Post-closure O&M for monitoring wells stopping above injection zone.	9	Post Injection, Annual
Closure and Post-Injection Care	G-8b	Post-closure O&M for monitoring wells drilling into injection zone.	0	Never
Closure and Post-Injection Care	G-9	Post-injection air and soil surveys.	0	Never
Closure and Post-Injection Care	G-10	Post-injection seismic survey (conducted for 10 years for RA0-2, 50 years for RA3 and 100 years for RA4).	0	Never
Closure and Post-Injection Care	G-11	Periodic post-injection monitoring reports to regulators (conducted for 50 yrs for RA3, 100 years for RA4, 10 years for all others).	0	Never
Closure and Post-Injection Care	G-12	G&A	1	One-time
Financial Responsibility	H-1	Performance bond or demonstrate financial ability (accounting for inflation) to close site.	8	Post Injection, One-time
Financial Responsibility	H-2	Performance bond or demonstrate financial ability (accounting for inflation) for post-injection monitoring and remediation.	0	Never
Financial Responsibility	H-3	G&A	1	One-time

Notes:

The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(A) - (E): GS Rule Cost Model.

Exhibit C.1.2: ICR Owners and Operators Activities for Saline Pilot Projects (RA 0)

ID#	# of Respondents	Responses/ Respondent	Year 1							
			Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	240.0	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	180.0	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	96.0	-	-	-	-	-
A-6	-	1.0	-	-	240.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	96.0	-	-	-	-	-
A-9	-	1.0	-	-	120.0	-	-	-	-	-
A-10	-	1.0	-	-	240.0	-	-	-	-	-
A-11	-	1.0	-	-	45.5	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	34.1	-	-	-	-	-
A-14	-	1.0	-	-	960.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	10.0	-	-	-	-	-
B-12	-	12.0	-	1.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	93.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	252.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	5.7	24.0	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-
E-2	-	4.0	-	4.5	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F)) * D
2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.2: ICR Owners and Operators Activities for Saline Pilot Projects (RA 0, Cont.)

ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Year 2				
						Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	240.0	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	180.0	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	96.0	-	-	-	-	-
A-6	-	1.0	-	-	240.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	96.0	-	-	-	-	-
A-9	-	1.0	-	-	120.0	-	-	-	-	-
A-10	-	1.0	-	-	240.0	-	-	-	-	-
A-11	-	1.0	-	-	45.5	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	34.1	-	-	-	-	-
A-14	-	1.0	-	-	960.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	10.0	-	-	-	-	-
B-12	-	12.0	-	1.0	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	93.0	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	252.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	5.7	24.0	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-
E-2	-	4.0	-	4.5	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

- (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
- The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.2: ICR Owners and Operators Activities for Saline Pilot Projects (RA 0, Cont.)

ID#	# of Respondents	Responses/ Respondent	Year 3							Total O&M Cost (\$)	Total Cost (\$)
			Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)		
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J	
A-1	-	1.0	-	-	240.0	-	-	-	-	-	
A-2	-	1.0	-	-	-	-	-	-	-	-	
A-3	-	1.0	-	-	180.0	-	-	-	-	-	
A-4	-	1.0	-	-	-	-	-	-	-	-	
A-5	-	1.0	-	-	96.0	-	-	-	-	-	
A-6	-	1.0	-	-	240.0	-	-	-	-	-	
A-7	-	1.0	-	-	-	-	-	-	-	-	
A-8	-	1.0	-	-	96.0	-	-	-	-	-	
A-9	-	1.0	-	-	120.0	-	-	-	-	-	
A-10	-	1.0	-	-	240.0	-	-	-	-	-	
A-11	-	1.0	-	-	45.5	-	-	-	-	-	
A-12	-	0.0	-	-	-	-	-	-	-	-	
A-13	-	1.0	-	-	34.1	-	-	-	-	-	
A-14	-	1.0	-	-	960.0	-	-	-	-	-	
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
B-1	-	1.0	-	-	-	-	-	-	-	-	
B-2	-	0.0	-	-	-	-	-	-	-	-	
B-3a	-	1.0	-	-	-	-	-	-	-	-	
B-3b	-	0.0	-	-	-	-	-	-	-	-	
B-4a	-	1.0	-	-	-	-	-	-	-	-	
B-4b	-	0.0	-	-	-	-	-	-	-	-	
B-5	-	0.0	-	-	-	-	-	-	-	-	
B-6	-	1.0	-	-	-	-	-	-	-	-	
B-7	-	1.0	-	-	-	-	-	-	-	-	
B-8	-	0.0	-	-	-	-	-	-	-	-	
B-9a	-	1.0	-	-	-	-	-	-	-	-	
B-9b	-	0.0	-	-	-	-	-	-	-	-	
B-10a	-	1.0	-	-	-	-	-	-	-	-	
B-10b	-	0.0	-	-	-	-	-	-	-	-	
B-10c	-	1.0	-	-	-	-	-	-	-	-	
B-11a	-	0.0	-	-	-	-	-	-	-	-	
B-11b	-	0.0	-	-	-	-	-	-	-	-	
B-11c	-	0.0	-	-	-	-	-	-	-	-	
B-11d	-	0.0	-	-	-	-	-	-	-	-	
B-11e	-	0.0	-	-	-	-	-	-	-	-	
B-11f	-	1.0	-	-	10.0	-	-	-	-	-	
B-12	-	12.0	-	1.0	-	-	-	-	-	-	
B-13	-	0.0	-	-	-	-	-	-	-	-	
B-14a	-	1.0	-	-	-	-	-	-	-	-	
B-14b	-	0.0	-	-	-	-	-	-	-	-	
B-14c	-	1.0	-	-	-	-	-	-	-	-	
B-15a	-	0.0	-	-	-	-	-	-	-	-	
B-15b	-	0.0	-	-	-	-	-	-	-	-	
B-15c	-	0.0	-	-	-	-	-	-	-	-	
B-15d	-	0.0	-	-	-	-	-	-	-	-	
B-15e	-	0.0	-	-	-	-	-	-	-	-	
B-15f	-	0.0	-	-	-	-	-	-	-	-	
B-16	-	0.0	-	-	-	-	-	-	-	-	
B-17	-	0.0	-	-	-	-	-	-	-	-	
B-18	-	1.0	-	93.0	-	-	-	-	-	-	
B-19	-	0.0	-	-	-	-	-	-	-	-	
B-20	-	4.0	-	9.8	-	-	-	-	-	-	
B-21	-	0.0	-	-	-	-	-	-	-	-	
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
C-4	-	1.0	-	-	-	-	-	-	-	-	
C-5	-	1.0	-	-	-	-	-	-	-	-	
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
D-1	-	0.0	-	-	-	-	-	-	-	-	
D-2	-	1.0	-	252.0	-	-	-	-	-	-	
D-3	-	0.0	-	-	-	-	-	-	-	-	
D-4	-	1.0	-	-	-	-	-	-	-	-	
D-5	-	1.0	-	5.7	24.0	-	-	-	-	-	
D-6	-	0.0	-	-	-	-	-	-	-	-	
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
E-1	-	1.0	-	6.0	-	-	-	-	-	-	
E-2	-	4.0	-	4.5	-	-	-	-	-	-	
E-3	-	1.0	-	-	-	-	-	-	-	-	
E-4	-	0.0	-	-	-	-	-	-	-	-	
E-10	-	0.0	-	-	-	-	-	-	-	-	
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
F-1	-	1.0	-	-	-	-	-	-	-	-	
F-2	-	0.0	-	-	-	-	-	-	-	-	
F-3	-	1.0	-	-	-	-	-	-	-	-	
F-4	-	0.0	-	-	-	-	-	-	-	-	
F-5	-	0.0	-	-	-	-	-	-	-	-	
F-6	-	0.0	-	-	-	-	-	-	-	-	
F-7	-	1.0	-	-	-	-	-	-	-	-	
F-8	-	0.0	-	-	-	-	-	-	-	-	
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
G-3	-	1.0	-	-	-	-	-	-	-	-	
G-7	-	1.0	-	-	-	-	-	-	-	-	
G-8a	-	1.0	-	-	-	-	-	-	-	-	
G-8b	-	0.0	-	-	-	-	-	-	-	-	
G-9	-	0.0	-	-	-	-	-	-	-	-	
G-10	-	0.0	-	-	-	-	-	-	-	-	
G-11	-	0.0	-	-	-	-	-	-	-	-	
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
H-1	-	1.0	-	8.0	-	-	-	-	-	-	
H-2	-	0.0	-	-	-	-	-	-	-	-	
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-	

Notes:

- (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
- The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 0)

ID#	Year 1									
	# of Respondents B	Responses/ Respondent C	Total Responses D=B*C	Unit Burden Engineer (hrs) E	Unit Burden Geoscientist (hrs) F	Total Burden (hrs) G=(E+F)*D	Total Labor Cost (\$) H	Total Capital Cost (\$) I	Total O&M Cost (\$) J	Total Cost (\$) K=H+I+J
A-1	-	1.0	-	-	240.0	-	\$ -	\$ -	\$ -	\$ -
A-2	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-3	-	1.0	-	-	180.0	-	\$ -	\$ -	\$ -	\$ -
A-4	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-5	-	1.0	-	-	96.0	-	\$ -	\$ -	\$ -	\$ -
A-6	-	1.0	-	-	240.0	-	\$ -	\$ -	\$ -	\$ -
A-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-8	-	1.0	-	-	96.0	-	\$ -	\$ -	\$ -	\$ -
A-9	-	1.0	-	-	120.0	-	\$ -	\$ -	\$ -	\$ -
A-10	-	1.0	-	-	240.0	-	\$ -	\$ -	\$ -	\$ -
A-11	-	1.0	-	-	1,117.2	-	\$ -	\$ -	\$ -	\$ -
A-12	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-13	-	1.0	-	-	837.9	-	\$ -	\$ -	\$ -	\$ -
A-14	-	1.0	-	-	960.0	-	\$ -	\$ -	\$ -	\$ -
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
B-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-4a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-4b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-9a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-9b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10c	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	-	1.0	-	-	10.0	-	\$ -	\$ -	\$ -	\$ -
B-12	-	12.0	-	6.3	-	-	\$ -	\$ -	\$ -	\$ -
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14c	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	1.0	-	109.0	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	-	4.0	-	9.8	-	-	\$ -	\$ -	\$ -	\$ -
B-21	n/a	0.0	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
C-4	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
C-5	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	-	1.0	-	276.0	-	-	\$ -	\$ -	\$ -	\$ -
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-5	-	1.0	-	139.7	24.0	-	\$ -	\$ -	\$ -	\$ -
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
E-1	-	1.0	-	6.0	-	-	\$ -	\$ -	\$ -	\$ -
E-2	-	4.0	-	6.0	-	-	\$ -	\$ -	\$ -	\$ -
E-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
F-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
G-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	-	1.0	-	60.0	-	-	\$ -	\$ -	\$ -	\$ -
G-8a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
H-1	-	1.0	-	8.0	-	-	\$ -	\$ -	\$ -	\$ -
H-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 0, Cont.)

ID#	Year 2									
	# of Responses	Responses/ Respondent	Total Responses	Unit Burden Engineer (hrs)	Unit Burden Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-2	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 4,139,398	\$ 4,139,398
A-3	0.90	1.0	0.86	-	180.0	153.9	\$ 16,503	\$ -	\$ -	\$ 16,503
A-4	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 57,505	\$ 57,505
A-5	0.90	1.0	0.86	-	96.0	82.1	\$ 8,802	\$ -	\$ -	\$ 8,802
A-6	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-7	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 639,455	\$ 639,455
A-8	0.90	1.0	0.86	-	96.0	82.1	\$ 8,802	\$ -	\$ -	\$ 8,802
A-9	0.90	1.0	0.86	-	120.0	102.6	\$ 11,002	\$ -	\$ -	\$ 11,002
A-10	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ 8,807	\$ 30,811
A-11	0.90	1.0	0.86	-	1,117.2	955.2	\$ 102,433	\$ -	\$ -	\$ 102,433
A-12	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-13	0.90	1.0	0.86	-	837.9	716.4	\$ 76,825	\$ -	\$ -	\$ 76,825
A-14	0.90	1.0	0.86	-	960.0	820.8	\$ 88,016	\$ -	\$ -	\$ 88,016
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 75,679	\$ -	\$ 969,033	\$ 1,044,712
B-1	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 708	\$ 708
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 17,360	\$ 17,360
B-3b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-4a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 25,871	\$ 25,871
B-4b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	0.86	1.0	0.86	-	-	-	\$ -	\$ 428	\$ -	\$ 428
B-7	0.86	1.0	0.86	-	-	-	\$ -	\$ 1,210,228	\$ -	\$ 1,210,228
B-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-9a	0.86	1.0	0.86	-	-	-	\$ -	\$ 25,871	\$ -	\$ 25,871
B-9b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10a	0.86	1.0	0.86	-	-	-	\$ -	\$ 25,871	\$ -	\$ 25,871
B-10b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10c	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	0.86	1.0	0.86	-	10.0	8.6	\$ 917	\$ -	\$ 17,100	\$ 18,017
B-12	-	12.0	-	6.3	-	-	\$ -	\$ -	\$ -	\$ -
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14c	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	1.0	-	109.0	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	-	4.0	-	9.8	-	-	\$ -	\$ -	\$ -	\$ -
B-21	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 183	\$ 252,480	\$ 12,208	\$ 264,871
C-4	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 500,357	\$ 500,357
C-5	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 29,412	\$ 29,412
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 105,954	\$ 105,954
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	0.86	1.0	0.86	276.0	-	236.0	\$ 26,105	\$ -	\$ -	\$ 26,105
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 66,934	\$ 66,934
D-5	0.86	1.0	0.86	139.7	24.0	139.9	\$ 15,410	\$ -	\$ -	\$ 15,410
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ 8,303	\$ -	\$ 13,387	\$ 21,690
E-1	0.86	1.0	0.86	6.0	-	5.1	\$ 568	\$ -	\$ -	\$ 568
E-2	-	4.0	-	6.0	-	-	\$ -	\$ -	\$ -	\$ -
E-3	0.86	1.0	0.86	-	-	-	\$ -	\$ 53,010	\$ -	\$ 53,010
E-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 114	\$ 10,602	\$ -	\$ 10,716
F-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
G-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	0.86	1.0	0.86	-	-	-	\$ 5,675	\$ -	\$ -	\$ 5,675
G-8a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 1,135	\$ -	\$ -	\$ 1,135
H-1	-	1.0	-	8.0	-	-	\$ -	\$ -	\$ -	\$ -
H-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
Total	0.90	n/a	25.65	n/a	n/a	3,918.3	\$ 512,481	\$ 1,578,490	\$ 6,603,487	\$ 8,694,459

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.3: ICR Owners and Operators Activities for Large Saline Projects (RA 0, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden Engineer (hrs)	Unit Burden Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-2	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 4,139,398	\$ 4,139,398
A-3	0.90	1.0	0.86	-	180.0	153.9	\$ 16,503	\$ -	\$ -	\$ 16,503
A-4	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 57,505	\$ 57,505
A-5	0.90	1.0	0.86	-	96.0	82.1	\$ 8,802	\$ -	\$ -	\$ 8,802
A-6	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ -	\$ 22,004
A-7	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 639,455	\$ 639,455
A-8	0.90	1.0	0.86	-	96.0	82.1	\$ 8,802	\$ -	\$ -	\$ 8,802
A-9	0.90	1.0	0.86	-	120.0	102.6	\$ 11,002	\$ -	\$ -	\$ 11,002
A-10	0.90	1.0	0.86	-	240.0	205.2	\$ 22,004	\$ -	\$ 8,807	\$ 30,811
A-11	0.90	1.0	0.86	-	1,117.2	955.2	\$ 102,433	\$ -	\$ -	\$ 102,433
A-12	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
A-13	0.90	1.0	0.86	-	837.9	716.4	\$ 76,825	\$ -	\$ -	\$ 76,825
A-14	0.90	1.0	0.86	-	960.0	820.8	\$ 88,016	\$ -	\$ -	\$ 88,016
A-15	n/a	n/a	n/a	n/a	n/a	n/a	\$ 75,679	\$ -	\$ 969,033	\$ 1,044,712
B-1	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 708	\$ 708
B-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-3a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 17,360	\$ 17,360
B-3b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-4a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 25,871	\$ 25,871
B-4b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-6	0.86	1.0	0.86	-	-	-	\$ -	\$ 428	\$ -	\$ 428
B-7	0.86	1.0	0.86	-	-	-	\$ -	\$ 1,210,228	\$ -	\$ 1,210,228
B-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-9a	0.86	1.0	0.86	-	-	-	\$ -	\$ 25,871	\$ -	\$ 25,871
B-9b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10a	0.86	1.0	0.86	-	-	-	\$ -	\$ 25,871	\$ -	\$ 25,871
B-10b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-10c	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-11f	0.86	1.0	0.86	-	10.0	8.6	\$ 917	\$ -	\$ 17,100	\$ 18,017
B-12	0.86	12.0	10.26	6.3	-	64.8	\$ 7,172	\$ -	\$ 25,933	\$ 33,105
B-13	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14a	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 99,132	\$ 99,132
B-14b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-14c	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15a	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15d	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15e	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-15f	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-16	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-17	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-18	-	1.0	-	109.0	-	-	\$ -	\$ -	\$ -	\$ -
B-19	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
B-20	0.86	4.0	3.42	9.8	-	33.3	\$ 3,689	\$ -	\$ -	\$ 3,689
B-21	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
B-22	n/a	n/a	n/a	n/a	n/a	n/a	\$ 2,356	\$ 252,480	\$ 37,221	\$ 292,056
C-4	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 500,357	\$ 500,357
C-5	0.90	1.0	0.86	-	-	-	\$ -	\$ -	\$ 29,412	\$ 29,412
C-17	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 105,954	\$ 105,954
D-1	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-2	0.86	1.0	0.86	276.0	-	236.0	\$ 26,105	\$ -	\$ -	\$ 26,105
D-3	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-4	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 66,934	\$ 66,934
D-5	0.86	1.0	0.86	139.7	24.0	139.9	\$ 15,410	\$ -	\$ -	\$ 15,410
D-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
D-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ 8,303	\$ -	\$ 13,387	\$ 21,690
E-1	0.86	1.0	0.86	6.0	-	5.1	\$ 568	\$ -	\$ -	\$ 568
E-2	0.86	4.0	3.42	6.0	-	20.5	\$ 2,270	\$ -	\$ 4,190	\$ 6,460
E-3	0.86	1.0	0.86	-	-	-	\$ -	\$ 53,010	\$ -	\$ 53,010
E-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
E-14	n/a	n/a	n/a	n/a	n/a	n/a	\$ 568	\$ 10,602	\$ 838	\$ 12,007
F-1	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-3	0.86	1.0	0.86	-	-	-	\$ -	\$ -	\$ 4,446	\$ 4,446
F-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-5	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-7	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-8	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
F-9	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ 889	\$ 889
G-3	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-7	0.86	1.0	0.86	-	-	-	\$ 5,675	\$ -	\$ -	\$ 5,675
G-8a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-8b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-9	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-10	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-11	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
G-12	n/a	n/a	n/a	n/a	n/a	n/a	\$ 1,135	\$ -	\$ -	\$ 1,135
H-1	-	1.0	-	8.0	-	-	\$ -	\$ -	\$ -	\$ -
H-2	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
H-3	n/a	n/a	n/a	n/a	n/a	n/a	\$ -	\$ -	\$ -	\$ -
Total	0.90	n/a	45.32	n/a	n/a	4,037.0	\$ 528,238	\$ 1,578,490	\$ 6,763,927	\$ 8,870,656

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 0)

ID#	Year 1										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	480.0	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	360.0	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	192.0	-	-	-	-	-	-
A-6	-	1.0	-	-	480.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	192.0	-	-	-	-	-	-
A-9	-	1.0	-	-	480.0	-	-	-	-	-	-
A-10	-	1.0	-	-	720.0	-	-	-	-	-	-
A-11	-	1.0	-	-	2,287.1	-	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	1,715.4	-	-	-	-	-	-
A-14	-	1.0	-	-	2,400.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	15.0	-	-	-	-	-	-
B-12	-	12.0	-	14.2	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	163.5	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	276.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	142.9	24.0	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-	-
E-2	-	4.0	-	6.0	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	n/a	-	-	-	-

Notes:
 1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
 2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
 3. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 0, Cont.)

ID#	Year 2										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	480.0	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	360.0	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	192.0	-	-	-	-	-	-
A-6	-	1.0	-	-	480.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	192.0	-	-	-	-	-	-
A-9	-	1.0	-	-	480.0	-	-	-	-	-	-
A-10	-	1.0	-	-	720.0	-	-	-	-	-	-
A-11	-	1.0	-	-	2,287.1	-	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	1,715.4	-	-	-	-	-	-
A-14	-	1.0	-	-	2,400.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	15.0	-	-	-	-	-	-
B-12	-	12.0	-	14.2	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	163.5	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	276.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	142.9	24.0	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-	-
E-2	-	4.0	-	6.0	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.4: ICR Owners and Operators Activities for Large Saline Waivered Projects (RA 0, Cont.)

ID#	Year 3										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	480.0	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	360.0	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	192.0	-	-	-	-	-	-
A-6	-	1.0	-	-	480.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	192.0	-	-	-	-	-	-
A-9	-	1.0	-	-	480.0	-	-	-	-	-	-
A-10	-	1.0	-	-	720.0	-	-	-	-	-	-
A-11	-	1.0	-	-	2,287.1	-	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	1,715.4	-	-	-	-	-	-
A-14	-	1.0	-	-	2,400.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	15.0	-	-	-	-	-	-
B-12	-	12.0	-	14.2	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	-	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	163.5	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	276.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	142.9	24.0	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
E-1	-	1.0	-	6.0	-	-	-	-	-	-	-
E-2	-	4.0	-	6.0	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total	-	n/a	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D
2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)
3. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 0)

ID#	Year 1										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	12.0	-	-	-	-	-	-
A-6	-	1.0	-	-	6.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	2.4	-	-	-	-	-	-
A-9	-	1.0	-	-	15.0	-	-	-	-	-	-
A-10	-	1.0	-	-	60.0	-	-	-	-	-	-
A-11	-	1.0	-	-	10.0	-	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	7.5	-	-	-	-	-	-
A-14	-	1.0	-	-	240.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	1.0	-	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	10.0	-	-	-	-	-	-
B-12	-	12.0	-	2.6	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	6.0	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	317.0	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	588.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	80.2	2.4	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-	-
E-2	-	4.0	-	25.5	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

3. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 0, Cont.)

ID#	Year 2										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	12.0	-	-	-	-	-	-
A-6	-	1.0	-	-	6.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	2.4	-	-	-	-	-	-
A-9	-	1.0	-	-	15.0	-	-	-	-	-	-
A-10	-	1.0	-	-	60.0	-	-	-	-	-	-
A-11	-	1.0	-	-	10.0	-	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	7.5	-	-	-	-	-	-
A-14	-	1.0	-	-	240.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	1.0	-	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	10.0	-	-	-	-	-	-
B-12	-	12.0	-	2.6	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	6.0	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	317.0	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	588.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	80.2	2.4	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-	-
E-2	-	4.0	-	25.5	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

3. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.5: ICR Owners and Operators Activities for Enhanced Recovery Projects (RA 0, Cont.)

ID#	Year 3										
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
	A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	12.0	-	-	-	-	-	-
A-6	-	1.0	-	-	6.0	-	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	2.4	-	-	-	-	-	-
A-9	-	1.0	-	-	15.0	-	-	-	-	-	-
A-10	-	1.0	-	-	60.0	-	-	-	-	-	-
A-11	-	1.0	-	-	10.0	-	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	7.5	-	-	-	-	-	-
A-14	-	1.0	-	-	240.0	-	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-	-
B-11e	-	1.0	-	-	-	-	-	-	-	-	-
B-11f	-	0.0	-	-	10.0	-	-	-	-	-	-
B-12	-	12.0	-	2.6	-	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	6.0	-	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-	-
B-18	-	1.0	-	317.0	-	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-	-
D-2	-	1.0	-	588.0	-	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-	-
D-5	-	1.0	-	80.2	2.4	-	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-	-
E-2	-	4.0	-	25.5	-	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

3. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 0)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	24.0	-	-	-	-	-
A-6	-	1.0	-	-	12.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	4.8	-	-	-	-	-
A-9	-	1.0	-	-	60.0	-	-	-	-	-
A-10	-	1.0	-	-	180.0	-	-	-	-	-
A-11	-	1.0	-	-	19.8	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	14.8	-	-	-	-	-
A-14	-	1.0	-	-	600.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	15.0	-	-	-	-	-
B-12	-	12.0	-	5.8	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	18.0	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	451.5	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	564.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	79.0	2.4	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-
E-2	-	4.0	-	24.0	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 0, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer	Unit Burden - Geoscientist	Total Burden	Total Labor	Total Capital	Total O&M	Total Cost (\$)
	B	C	D=B*C	E (hrs)	F (hrs)	G=(E+F)*D	H (\$)	I (\$)	J (\$)	K=H+I+J (\$)
A-1	-	1.0	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	24.0	-	-	-	-	-
A-6	-	1.0	-	-	12.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	4.8	-	-	-	-	-
A-9	-	1.0	-	-	60.0	-	-	-	-	-
A-10	-	1.0	-	-	180.0	-	-	-	-	-
A-11	-	1.0	-	-	19.8	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	14.8	-	-	-	-	-
A-14	-	1.0	-	-	600.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	15.0	-	-	-	-	-
B-12	-	12.0	-	5.8	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	18.0	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	451.5	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	564.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	79.0	2.4	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-
E-2	-	4.0	-	24.0	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.1.6: ICR Owners and Operators Activities for Enhanced Recovery Waivered Projects (RA 0, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - Engineer (hrs)	Unit Burden - Geoscientist (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
A-1	-	1.0	-	-	-	-	-	-	-	-
A-2	-	1.0	-	-	-	-	-	-	-	-
A-3	-	1.0	-	-	-	-	-	-	-	-
A-4	-	1.0	-	-	-	-	-	-	-	-
A-5	-	1.0	-	-	24.0	-	-	-	-	-
A-6	-	1.0	-	-	12.0	-	-	-	-	-
A-7	-	1.0	-	-	-	-	-	-	-	-
A-8	-	1.0	-	-	4.8	-	-	-	-	-
A-9	-	1.0	-	-	60.0	-	-	-	-	-
A-10	-	1.0	-	-	180.0	-	-	-	-	-
A-11	-	1.0	-	-	19.8	-	-	-	-	-
A-12	-	0.0	-	-	-	-	-	-	-	-
A-13	-	1.0	-	-	14.8	-	-	-	-	-
A-14	-	1.0	-	-	600.0	-	-	-	-	-
A-15	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
B-1	-	1.0	-	-	-	-	-	-	-	-
B-2	-	0.0	-	-	-	-	-	-	-	-
B-3a	-	1.0	-	-	-	-	-	-	-	-
B-3b	-	0.0	-	-	-	-	-	-	-	-
B-4a	-	1.0	-	-	-	-	-	-	-	-
B-4b	-	0.0	-	-	-	-	-	-	-	-
B-5	-	0.0	-	-	-	-	-	-	-	-
B-6	-	1.0	-	-	-	-	-	-	-	-
B-7	-	1.0	-	-	-	-	-	-	-	-
B-8	-	0.0	-	-	-	-	-	-	-	-
B-9a	-	1.0	-	-	-	-	-	-	-	-
B-9b	-	0.0	-	-	-	-	-	-	-	-
B-10a	-	1.0	-	-	-	-	-	-	-	-
B-10b	-	0.0	-	-	-	-	-	-	-	-
B-10c	-	1.0	-	-	-	-	-	-	-	-
B-11a	-	0.0	-	-	-	-	-	-	-	-
B-11b	-	0.0	-	-	-	-	-	-	-	-
B-11c	-	0.0	-	-	-	-	-	-	-	-
B-11d	-	0.0	-	-	-	-	-	-	-	-
B-11e	-	0.0	-	-	-	-	-	-	-	-
B-11f	-	1.0	-	-	15.0	-	-	-	-	-
B-12	-	12.0	-	5.8	-	-	-	-	-	-
B-13	-	0.0	-	-	-	-	-	-	-	-
B-14a	-	1.0	-	-	-	-	-	-	-	-
B-14b	-	0.0	-	-	-	-	-	-	-	-
B-14c	-	1.0	-	18.0	-	-	-	-	-	-
B-15a	-	0.0	-	-	-	-	-	-	-	-
B-15b	-	0.0	-	-	-	-	-	-	-	-
B-15c	-	0.0	-	-	-	-	-	-	-	-
B-15d	-	0.0	-	-	-	-	-	-	-	-
B-15e	-	0.0	-	-	-	-	-	-	-	-
B-15f	-	0.0	-	-	-	-	-	-	-	-
B-16	-	0.0	-	-	-	-	-	-	-	-
B-17	-	0.0	-	-	-	-	-	-	-	-
B-18	-	1.0	-	451.5	-	-	-	-	-	-
B-19	-	0.0	-	-	-	-	-	-	-	-
B-20	-	4.0	-	9.8	-	-	-	-	-	-
B-21	-	0.0	-	-	-	-	-	-	-	-
B-22	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
C-4	-	1.0	-	-	-	-	-	-	-	-
C-5	-	1.0	-	-	-	-	-	-	-	-
C-17	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
D-1	-	0.0	-	-	-	-	-	-	-	-
D-2	-	1.0	-	564.0	-	-	-	-	-	-
D-3	-	0.0	-	-	-	-	-	-	-	-
D-4	-	1.0	-	-	-	-	-	-	-	-
D-5	-	1.0	-	79.0	2.4	-	-	-	-	-
D-6	-	0.0	-	-	-	-	-	-	-	-
D-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
E-1	-	1.0	-	6.0	-	-	-	-	-	-
E-2	-	4.0	-	24.0	-	-	-	-	-	-
E-3	-	1.0	-	-	-	-	-	-	-	-
E-4	-	0.0	-	-	-	-	-	-	-	-
E-10	-	0.0	-	-	-	-	-	-	-	-
E-14	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
F-1	-	1.0	-	-	-	-	-	-	-	-
F-2	-	0.0	-	-	-	-	-	-	-	-
F-3	-	1.0	-	-	-	-	-	-	-	-
F-4	-	0.0	-	-	-	-	-	-	-	-
F-5	-	0.0	-	-	-	-	-	-	-	-
F-6	-	0.0	-	-	-	-	-	-	-	-
F-7	-	1.0	-	-	-	-	-	-	-	-
F-8	-	0.0	-	-	-	-	-	-	-	-
F-9	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
G-3	-	1.0	-	-	-	-	-	-	-	-
G-7	-	1.0	-	60.0	-	-	-	-	-	-
G-8a	-	1.0	-	-	-	-	-	-	-	-
G-8b	-	0.0	-	-	-	-	-	-	-	-
G-9	-	0.0	-	-	-	-	-	-	-	-
G-10	-	0.0	-	-	-	-	-	-	-	-
G-11	-	0.0	-	-	-	-	-	-	-	-
G-12	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
H-1	-	1.0	-	8.0	-	-	-	-	-	-
H-2	-	0.0	-	-	-	-	-	-	-	-
H-3	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-
Total	-	n/a	-	n/a	n/a	n/a	-	-	-	-

Notes:

1. (H) = ((Engineer labor rate * E) + (Geoscientist labor rate * F))*D

2. The costs for each activity include general and administrative (G&A) costs. These costs are assumed to be equal to 20 percent of the total labor, capital, and O&M costs for each activity category and are included in the last row for each type of activity. (For example, row F-9 contains G&A costs for all activities associated with mechanical integrity testing.)

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Appendix C.2: Permitting Authorities and Agency (RA 0)

Exhibit C.2.1: Activity Key for Permitting Authorities and Agency

ICR Activity	ID#	Sub Categories/Notes	Periodicity Code	Periodicity
A	B	C	D	E
Permitting Authority	I-1a	Administration (Staff Training, Rule Implementation).	0	Never
Agency	I-1b	Federal Systems Updates.	2	Annual
Permitting Authority	I-2a	Review information required in general UIC permit (Includes initial review of closure and post-closure plans).	1	One-time
Permitting Authority	I-2b	Permitting Authority: review waiver applications.	0	Never
Agency	I-2c	Federal level: review waiver applications for those originally reviewed by State/Tribe/Territory having primacy.	0	Never
Permitting Authority	I-3	Review financial assurance of capacity to properly close, plug, and abandon well.	1	One-time
Permitting Authority	I-4	Review financial assurance of capacity to provide post-closure care.	0	Never
Permitting Authority	I-5	Second review of proposed closure plan required by §146.92(b).	1	One-time
Permitting Authority	I-6	Second review of proposed post-closure care plan required by §146.93(a).	0	Never
Permitting Authority	I-7	Review emergency response plan required by §146.94(a).	1	One-time
Permitting Authority	I-8	Review proposed remedial response plan required by §146.94(b).	1	One-time
Permitting Authority	I-9	Review information required in § 146.82(b)1 prior to issuing permit.	1	One-time
Permitting Authority	I-10	Review information required under § 146.86(b)(1) to determine and specify casing and cementing requirements.2	1	One-time
Permitting Authority	I-11	Review information required under § 146.86(c)(2) to determine and specify tubing and packer requirements.3	1	One-time
Permitting Authority	I-12	Evaluate mechanical integrity based on monitoring tests conducted since the last such evaluation and other mechanical integrity data.	1	One-time
Permitting Authority	I-13	Witness logging and testing.	1	One-time
Permitting Authority	I-14	Review construction procedures.	1	One-time
Permitting Authority	I-15	Review proposed injection procedure.	1	One-time
Permitting Authority	I-16	Review schematics of proposed wells.	1	One-time
Permitting Authority	I-17	Review contingency plans.	1	One-time
Permitting Authority	I-18	Review plans (including maps) for meeting monitoring requirements.	1	One-time
Permitting Authority	I-19	Review the corrective action proposed to be taken under §146.84 for wells within the area of review which penetrate the injection zone but are not properly completed or plugged.	1	One-time
Permitting Authority	I-20	Review of the information described in § 146.82(c) prior to granting approval for plugging and abandonment of a well.1	8	Post Injection, One-time
Permitting Authority	I-21	Analyze the pressure decay and the transient pressures recorded by owner/operator pursuant to §146.90(e) and determine whether the injection activity has conformed with predicted values[§ 146.92(e)(1)].5	3	Every 5 yrs
Permitting Authority	I-22	Review of each project's annual reports submitted by all operators of Class VI wells [§ 146.91]1 and recordkeeping.	0	Never
Permitting Authority	I-23	Review of each project's semi-annual (RA3) or quarterly (RA0) reports submitted by all operators of Class VI wells [§ 146.91]2 and recordkeeping.	2	Annual
Permitting Authority	I-24	Review of each project's monthly reports submitted by all operators of Class VI wells [§ 146.91]3 and recordkeeping.	0	Never
Permitting Authority	I-25	Review AoR modeling update (simple model).	0	Never
Permitting Authority	I-26	Review AoR modeling update (complex model).	3	Every 5 yrs
Permitting Authority/	I-27	Prepare / Review primacy applications.	0	Never

Sources:

(A) - (E): GS Rule Cost Model.

Notes:

1) Certain events require the owner or operator to notify the state within 24 hours. These are associated with triggers indicating potential endangerment to USDWs and for modeling purposes the reviews of these these reports are included under I-23.

Exhibit C.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 0)

Year 1										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	32.0	1.0	32.0	-	-	-	\$ -	\$ -	\$ -	\$ -
Administration (Staff Training, Rule Implementation).	32.0	1.0	32.0	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	32.0	n/a	64.0	n/a	n/a	0.0	\$ -	\$ -	\$ -	\$ -

Notes:
 No primacy applications or new rule implementations are required under RA0.
 (G) = (State labor rate * E + Federal labor rate * F) * D
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 0)

Year 1										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	32.0	32.0	-	-	\$ -	\$ -	\$ -	\$ -	
Federal Systems Updates.	1.0	1.0	1.0	-	-	\$ -	\$ -	\$ -	\$ -	
Total	1.0	n/a	33.0	n/a	-	\$ -	\$ -	\$ -	\$ -	

Notes:
 Since no primacy applications are submitted, there are none to review under RA0. Federal System Updates are also not applicable under RA0.
 (G) = Federal labor rate * E * D
 Sources:
 (B), (E), (H)-(I): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 0, Cont.)

Year 2										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	0.0	1.0	0.0	0.0	-	-	\$ -	\$ -	\$ -	\$ -
Administration (Staff Training, Rule Implementation).	0.0	1.0	0.0	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.0	n/a	0.0	-	-	-	\$ -	\$ -	\$ -	\$ -

Notes:
 No primacy applications or new rule implementations are required under RA0.
 (G) = (State labor rate * E + Federal labor rate * F) * D
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 0, Cont.)

Year 2										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	0.0	0.0	-	-	\$ -	\$ -	\$ -	\$ -	
Federal Systems Updates.	1.0	1.0	1.0	-	-	\$ -	\$ -	\$ -	\$ -	
Total	1.0	n/a	1.0	n/a	-	\$ -	\$ -	\$ -	\$ -	

Notes:
 Since no primacy applications are submitted, there are none to review under RA0. Federal System Updates are also not applicable under RA0.
 (G) = Federal labor rate * E * D
 Sources:
 (B), (E), (H)-(I): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.2a: ICR Permitting Authorities Activities That do not Depend on the Number of Projects (RA 0, Cont.)

Year 3										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden-States (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
Prepare Primacy Applications	0.0	1.0	0.0	0.0	-	-	\$ -	\$ -	\$ -	\$ -
Administration (Staff Training, Rule Implementation).	0.0	1.0	0.0	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.0	n/a	0.0	-	-	-	\$ -	\$ -	\$ -	\$ -

Notes:
 No primacy applications or new rule implementations are required under RA0.
 (G) = (State labor rate * E + Federal labor rate * F) * D
 Sources:
 (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.2b: ICR Agency Activities That do not Depend on the Number of Projects (RA 0, Cont.)

Year 3										
Activity	# Respondents	Responses/ Respondent	Total Responses	Unit Burden (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)	
A	B	C	D=B*C	E	F=E*D	G	H	I	J=G+H+I	
Review Primacy Application	1.0	0.0	0.0	-	-	\$ -	\$ -	\$ -	\$ -	
Federal Systems Updates.	1.0	1.0	1.0	-	-	\$ -	\$ -	\$ -	\$ -	
Total	1.0	n/a	1.0	n/a	-	\$ -	\$ -	\$ -	\$ -	

Notes:
 Since no primacy applications are submitted, there are none to review under RA0. Federal System Updates are also not applicable under RA0.
 (G) = Federal labor rate * E * D
 Sources:
 (B), (E), (H)-(I): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 0)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 0, Cont.)

Year 2										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.3: ICR Permitting Authorities Activities for Saline Pilot Projects (RA 0, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 0)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 0, Cont.)

Year 2										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	0.86	1.0	0.86	22.5	17.5	34.2	\$ 1,701	\$ -	\$ -	\$ 1,701
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-8	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-9	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-10	0.86	1.0	0.86	0.6	0.4	0.9	\$ 43	\$ -	\$ -	\$ 43
I-11	0.86	1.0	0.86	0.6	0.4	0.9	\$ 43	\$ -	\$ -	\$ 43
I-12	0.86	1.0	0.86	0.6	0.4	0.9	\$ 43	\$ -	\$ -	\$ 43
I-13	0.86	1.0	0.86	0.6	0.4	0.9	\$ 43	\$ -	\$ -	\$ 43
I-14	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-15	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-16	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-17	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-18	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-19	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	0.86	n/a	13.68	n/a	n/a	75.2	\$ 3,743	\$ -	\$ -	\$ 3,743

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.4: ICR Permitting Authorities Activities for Large Saline Projects (RA 0, Cont.)

ID#	Year 3									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	0.86	1.0	0.86	22.5	17.5	34.2	\$ 1,701	\$ -	\$ -	\$ 1,701
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-8	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-9	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-10	0.86	1.0	0.86	0.6	0.4	0.9	\$ 43	\$ -	\$ -	\$ 43
I-11	0.86	1.0	0.86	0.6	0.4	0.9	\$ 43	\$ -	\$ -	\$ 43
I-12	0.86	1.0	0.86	0.6	0.4	0.9	\$ 43	\$ -	\$ -	\$ 43
I-13	0.86	1.0	0.86	0.6	0.4	0.9	\$ 43	\$ -	\$ -	\$ 43
I-14	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-15	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-16	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-17	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-18	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-19	0.86	1.0	0.86	2.2	1.8	3.4	\$ 170	\$ -	\$ -	\$ 170
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	0.86	1.0	0.86	2.0	1.5	3.0	\$ 149	\$ -	\$ -	\$ 149
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	0.86	n/a	14.54	n/a	n/a	78.2	\$ 3,892	\$ -	\$ -	\$ 3,892

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
- (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 0)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

2. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 0)

Year 1										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -

Notes:

Activity I-2c (second level review of waiver applications) is not applicable under RA 0, since no waiver applications are made under RA 0.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 0, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

2. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 0, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -

Notes:

Activity I-2c (second level review of waiver applications) is not applicable under RA 0, since no waiver applications are made under RA 0.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.5a: ICR Permitting Authorities Activities for Large Saline Waivered Projects (RA 0, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

2. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.5b: ICR Agency Activities for Large Saline Waivered Projects (RA 0, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -

Notes:

Activity I-2c (second level review of waiver applications) is not applicable under RA 0, since no waiver applications are made under RA 0.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 0)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 0, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.6: ICR Permitting Authorities Activities for Enhanced Recovery Projects (RA 0, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden- Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	22.5	17.5	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D
2. Activity I-2b is not applicable to projects that are not seeking waivers.

Sources:

- (B), (E)-(F), (I)-(J): GS Rule Cost Model.
 (C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 0)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$	-	\$	-
I-2b	-	0.0	-	-	-	-	\$	-	\$	-
I-3	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-4	-	0.0	-	-	-	-	\$	-	\$	-
I-5	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-6	-	0.0	-	-	-	-	\$	-	\$	-
I-7	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-8	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-9	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-10	-	1.0	-	0.6	0.4	-	\$	-	\$	-
I-11	-	1.0	-	0.6	0.4	-	\$	-	\$	-
I-12	-	1.0	-	0.6	0.4	-	\$	-	\$	-
I-13	-	1.0	-	0.6	0.4	-	\$	-	\$	-
I-14	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-15	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-16	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-17	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-18	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-19	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-20	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-21	-	1.0	-	6.7	5.3	-	\$	-	\$	-
I-22	-	0.0	-	-	-	-	\$	-	\$	-
I-23	-	1.0	-	2.0	1.5	-	\$	-	\$	-
I-24	-	0.0	-	-	-	-	\$	-	\$	-
I-25	-	0.0	-	-	-	-	\$	-	\$	-
I-26	-	1.0	-	2.2	1.8	-	\$	-	\$	-
Total	-	n/a	-	n/a	n/a	-	\$	-	\$	-

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

2. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 0)

ID#	Year 1									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	-	-	\$	-	\$	-

Notes:

Activity I-2c (second level review of waiver applications) is not applicable under RA 0, since no waiver applications are made under RA 0.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 0, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$	-	\$	-
I-2b	-	0.0	-	-	-	-	\$	-	\$	-
I-3	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-4	-	0.0	-	-	-	-	\$	-	\$	-
I-5	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-6	-	0.0	-	-	-	-	\$	-	\$	-
I-7	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-8	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-9	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-10	-	1.0	-	0.6	0.4	-	\$	-	\$	-
I-11	-	1.0	-	0.6	0.4	-	\$	-	\$	-
I-12	-	1.0	-	0.6	0.4	-	\$	-	\$	-
I-13	-	1.0	-	0.6	0.4	-	\$	-	\$	-
I-14	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-15	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-16	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-17	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-18	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-19	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-20	-	1.0	-	2.2	1.8	-	\$	-	\$	-
I-21	-	1.0	-	6.7	5.3	-	\$	-	\$	-
I-22	-	0.0	-	-	-	-	\$	-	\$	-
I-23	-	1.0	-	2.0	1.5	-	\$	-	\$	-
I-24	-	0.0	-	-	-	-	\$	-	\$	-
I-25	-	0.0	-	-	-	-	\$	-	\$	-
I-26	-	1.0	-	2.2	1.8	-	\$	-	\$	-
Total	-	n/a	-	n/a	n/a	-	\$	-	\$	-

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

2. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 0, Cont.)

ID#	Year 2									
	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	-	-	\$	-	\$	-

Notes:

Activity I-2c (second level review of waiver applications) is not applicable under RA 0, since no waiver applications are made under RA 0.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.7a: ICR Permitting Authorities Activities for Enhanced Recovery Waivered Projects (RA 0, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Regions Acting for States (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2a	-	1.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-2b	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-3	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-4	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-5	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-6	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-7	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-8	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-9	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-10	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-11	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-12	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-13	-	1.0	-	0.6	0.4	-	\$ -	\$ -	\$ -	\$ -
I-14	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-15	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-16	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-17	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-18	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-19	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-20	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
I-21	-	1.0	-	6.7	5.3	-	\$ -	\$ -	\$ -	\$ -
I-22	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-23	-	1.0	-	2.0	1.5	-	\$ -	\$ -	\$ -	\$ -
I-24	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-25	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -
I-26	-	1.0	-	2.2	1.8	-	\$ -	\$ -	\$ -	\$ -
Total	-	n/a	-	n/a	n/a	-	\$ -	\$ -	\$ -	\$ -

Notes:

1. (H) = ((State labor rate * E) + (Federal labor rate * F))*D

2. There are no responses or respondents for waived projects under RA 0 because there are no such waiver allowances under existing regulations.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Exhibit C.2.7b: ICR Agency Activities for Enhanced Recovery Waivered Projects (RA 0, Cont.)

Year 3										
ID#	# of Respondents	Responses/ Respondent	Total Responses	Unit Burden - State (hrs)	Unit Burden-Agency (hrs)	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
A	B	C	D=B*C	E	F	G=(E+F)*D	H	I	J	K=H+I+J
I-2c	-	0.0	-	-	-	-	\$ -	\$ -	\$ -	\$ -

Notes:

Activity I-2c (second level review of waiver applications) is not applicable under RA 0, since no waiver applications are made under RA 0.

Sources:

(B), (E)-(F), (I)-(J): GS Rule Cost Model.

(C): GS Rule Cost Model and Exhibit A.0.2.

Appendix C.3: Summary Tables (RA 0)

Exhibit C.3.1a: Total Owners and Operators Burden and Cost, Years 1 - 3 (RA 0)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.80	72.23	7,955.3	\$ 1,040,720	\$ 3,156,980	\$ 13,367,414	\$ 17,565,114
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.80	72.23	7,955.3	\$ 1,040,720	\$ 3,156,980	\$ 13,367,414	\$ 17,565,114

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.1b: Total Permitting Authorities Burden and Cost, Years 1 - 3 (RA 0)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.71	28.22	153.5	\$ 7,635	\$ -	\$ -	\$ 7,635
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project Independent Activities	32.00	64.00	-	\$ -	\$ -	\$ -	\$ -
Total	32.00	92.22	153.5	\$ 7,635	\$ -	\$ -	\$ 7,635

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.1c: Total Agency Burden and Cost, Years 1 - 3 (RA 0)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	3.00	35.00	-	\$ -	\$ -	\$ -	\$ -
Total	3.00	35.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.1d: Total Burden and Cost, All Parties, Years 1 - 3 (RA 0)

Source Category	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	1.80	72.23	7,955.3	\$ 1,040,720	\$ 3,156,980	\$ 13,367,414	\$ 17,565,114
Permitting Authorities	32.00	92.22	153.5	\$ 7,635	\$ -	\$ -	\$ 7,635
Agency	3.00	35.00	-	\$ -	\$ -	\$ -	\$ -
Total	36.80	199.44	8,108.8	\$ 1,048,355	\$ 3,156,980	\$ 13,367,414	\$ 17,572,749

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	-	-	-	\$ -	\$ -	\$ -	\$ -

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	32.00	64.00	-	\$ -	\$ -	\$ -	\$ -
Total	32.00	64.00	-	\$ -	\$ -	\$ -	\$ -

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	33.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	33.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0)

Source Category	Year 1						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	-	-	-	\$ -	\$ -	\$ -	\$ -
Permitting Authorities	32.00	64.00	-	\$ -	\$ -	\$ -	\$ -
Agency	1.00	33.00	-	\$ -	\$ -	\$ -	\$ -
Total	33.00	97.00	-	\$ -	\$ -	\$ -	\$ -

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.90	26.28	3,918.3	\$ 512,481	\$ 1,578,490	\$ 6,603,487	\$ 8,694,459
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.90	26.28	3,918.3	\$ 512,481	\$ 1,578,490	\$ 6,603,487	\$ 8,694,459

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.86	13.68	75.2	\$ 3,743	\$ -	\$ -	\$ 3,743
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.86	13.68	75.2	\$ 3,743	\$ -	\$ -	\$ 3,743

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 2						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	0.90	26.28	3,918.3	\$ 512,481	\$ 1,578,490	\$ 6,603,487	\$ 8,694,459
Permitting Authorities	0.86	13.68	75.2	\$ 3,743	\$ -	\$ -	\$ 3,743
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	2.76	40.96	3,993.6	\$ 516,224	\$ 1,578,490	\$ 6,603,487	\$ 8,698,202

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.90	45.95	4,037.0	\$ 528,238	\$ 1,578,490	\$ 6,763,927	\$ 8,870,656
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.90	45.95	4,037.0	\$ 528,238	\$ 1,578,490	\$ 6,763,927	\$ 8,870,656

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	0.86	14.54	78.2	\$ 3,892	\$ -	\$ -	\$ 3,892
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	0.86	14.54	78.2	\$ 3,892	\$ -	\$ -	\$ 3,892

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 3						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	0.90	45.95	4,037.0	\$ 528,238	\$ 1,578,490	\$ 6,763,927	\$ 8,870,656
Permitting Authorities	0.86	14.54	78.2	\$ 3,892	\$ -	\$ -	\$ 3,892
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	2.76	61.48	4,115.3	\$ 532,130	\$ 1,578,490	\$ 6,763,927	\$ 8,874,548

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.80	91.04	8,074.0	\$ 1,056,477	\$ 3,156,980	\$ 13,522,520	\$ 17,735,976
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.80	91.04	8,074.0	\$ 1,056,477	\$ 3,156,980	\$ 13,522,520	\$ 17,735,976

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	1.71	29.07	156.5	\$ 7,784	\$ -	\$ -	\$ 7,784
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	1.71	29.07	156.5	\$ 7,784	\$ -	\$ -	\$ 7,784

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 4						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	1.80	91.04	8,074.0	\$ 1,056,477	\$ 3,156,980	\$ 13,522,520	\$ 17,735,976
Permitting Authorities	1.71	29.07	156.5	\$ 7,784	\$ -	\$ -	\$ 7,784
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	4.51	121.11	8,230.5	\$ 1,064,261	\$ 3,156,980	\$ 13,522,520	\$ 17,743,760

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	77.81	474.8	\$ 63,028	\$ -	\$ 636,426	\$ 699,454
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.42	77.81	474.8	\$ 63,028	\$ -	\$ 636,426	\$ 699,454

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	3.42	12.0	\$ 595	\$ -	\$ -	\$ 595
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.42	3.42	12.0	\$ 595	\$ -	\$ -	\$ 595

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 5						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	3.42	77.81	474.8	\$ 63,028	\$ -	\$ 636,426	\$ 699,454
Permitting Authorities	3.42	3.42	12.0	\$ 595	\$ -	\$ -	\$ 595
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	7.84	82.23	486.8	\$ 63,623	\$ -	\$ 636,426	\$ 700,050

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	128.66	8,311.4	\$ 1,087,991	\$ 3,156,980	\$ 13,832,730	\$ 18,077,701
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.42	128.66	8,311.4	\$ 1,087,991	\$ 3,156,980	\$ 13,832,730	\$ 18,077,701

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	-	-	-	\$ -	\$ -	\$ -	\$ -
Saline Large, Non-Waivered	3.42	30.78	162.5	\$ 8,082	\$ -	\$ -	\$ 8,082
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	3.42	30.78	162.5	\$ 8,082	\$ -	\$ -	\$ 8,082

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 6						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	3.42	128.66	8,311.4	\$ 1,087,991	\$ 3,156,980	\$ 13,832,730	\$ 18,077,701
Permitting Authorities	3.42	30.78	162.5	\$ 8,082	\$ -	\$ -	\$ 8,082
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	7.84	160.44	8,473.9	\$ 1,096,072	\$ 3,156,980	\$ 13,832,730	\$ 18,085,782

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	60.00	5,098.6	\$ 674,161	\$ 1,436,730	\$ 1,465,180	\$ 3,576,071
Saline Large, Non-Waivered	5.13	251.10	20,397.0	\$ 2,669,320	\$ 7,892,451	\$ 33,987,485	\$ 44,549,256
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	7.13	311.10	25,495.6	\$ 3,343,481	\$ 9,329,181	\$ 35,452,665	\$ 48,125,327

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	32.00	176.0	\$ 8,756	\$ -	\$ -	\$ 8,756
Saline Large, Non-Waivered	5.13	75.24	407.8	\$ 20,289	\$ -	\$ -	\$ 20,289
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	7.13	107.24	583.8	\$ 29,045	\$ -	\$ -	\$ 29,045

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 7						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	7.13	311.10	25,495.6	\$ 3,343,481	\$ 9,329,181	\$ 35,452,665	\$ 48,125,327
Permitting Authorities	7.13	107.24	583.8	\$ 29,045	\$ -	\$ -	\$ 29,045
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	15.26	419.34	26,079.5	\$ 3,372,526	\$ 9,329,181	\$ 35,452,665	\$ 48,154,372

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	46.00	138.0	\$ 18,319	\$ -	\$ 53,610	\$ 71,929
Saline Large, Non-Waivered	9.41	214.61	1,398.9	\$ 185,699	\$ -	\$ 1,750,910	\$ 1,936,609
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.41	260.61	1,536.9	\$ 204,018	\$ -	\$ 1,804,520	\$ 2,008,538

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	2.00	7.0	\$ 348	\$ -	\$ -	\$ 348
Saline Large, Non-Waivered	9.41	11.12	46.6	\$ 2,318	\$ -	\$ -	\$ 2,318
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.41	13.12	53.6	\$ 2,666	\$ -	\$ -	\$ 2,666

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 8						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.41	260.61	1,536.9	\$ 204,018	\$ -	\$ 1,804,520	\$ 2,008,538
Permitting Authorities	11.41	13.12	53.6	\$ 2,666	\$ -	\$ -	\$ 2,666
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	23.81	274.72	1,590.5	\$ 206,684	\$ -	\$ 1,804,520	\$ 2,011,205

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	44.00	138.0	\$ 18,319	\$ -	\$ 44,250	\$ 62,569
Saline Large, Non-Waivered	9.41	216.32	1,492.1	\$ 198,070	\$ -	\$ 1,758,318	\$ 1,956,388
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.41	260.32	1,630.1	\$ 216,389	\$ -	\$ 1,802,568	\$ 2,018,957

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	2.00	7.0	\$ 348	\$ -	\$ -	\$ 348
Saline Large, Non-Waivered	9.41	12.83	60.3	\$ 2,999	\$ -	\$ -	\$ 2,999
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.41	14.83	67.3	\$ 3,347	\$ -	\$ -	\$ 3,347

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 9						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.41	260.32	1,630.1	\$ 216,389	\$ -	\$ 1,802,568	\$ 2,018,957
Permitting Authorities	11.41	14.83	67.3	\$ 3,347	\$ -	\$ -	\$ 3,347
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	23.81	276.14	1,697.3	\$ 219,736	\$ -	\$ 1,802,568	\$ 2,022,304

Sources: Exhibits C.3.2a-C.3.2c.

Exhibit C.3.2a: Owners and Operators Burden and Cost (RA 0, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	46.00	138.0	\$ 18,319	\$ -	\$ 53,610	\$ 71,929
Saline Large, Non-Waivered	9.41	212.04	1,305.7	\$ 173,327	\$ -	\$ 1,738,167	\$ 1,911,494
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.41	258.04	1,443.7	\$ 191,646	\$ -	\$ 1,791,777	\$ 1,983,424

Sources: Exhibits C.1.2-C.1.6.

Exhibit C.3.2b: Permitting Authorities Burden and Cost (RA 0, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Pilot	2.00	2.00	7.0	\$ 348	\$ -	\$ -	\$ 348
Saline Large, Non-Waivered	9.41	9.41	32.9	\$ 1,638	\$ -	\$ -	\$ 1,638
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Non-Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	-	-	-	\$ -	\$ -	\$ -	\$ -
Total	11.41	11.41	39.9	\$ 1,986	\$ -	\$ -	\$ 1,986

Sources: Exhibits C.2.2a, C.2.3-C.2.5a, C.2.6, C.2.7a.

Exhibit C.3.2c: Agency Burden and Cost (RA 0, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Saline Large, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
ER, Waivered	-	-	-	\$ -	\$ -	\$ -	\$ -
Project-Independent Activities	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -

Source: Exhibits C.2.2b, C.2.5b, C.2.7b.

Exhibit C.3.2d: Total Burden and Cost, All Parties (RA 0, Cont.)

Source Category	Year 10						
	# Respondents	Total Responses	Total Burden (hrs)	Total Labor Cost (\$)	Total Capital Cost (\$)	Total O&M Cost (\$)	Total Cost (\$)
Owners and Operators	11.41	258.04	1,443.7	\$ 191,646	\$ -	\$ 1,791,777	\$ 1,983,424
Permitting Authorities	11.41	11.41	39.9	\$ 1,986	\$ -	\$ -	\$ 1,986
Agency	1.00	1.00	-	\$ -	\$ -	\$ -	\$ -
Total	23.81	270.45	1,483.6	\$ 193,632	\$ -	\$ 1,791,777	\$ 1,985,410

Sources: Exhibits C.3.2a-C.3.2c.