

Environmental Assessment Program

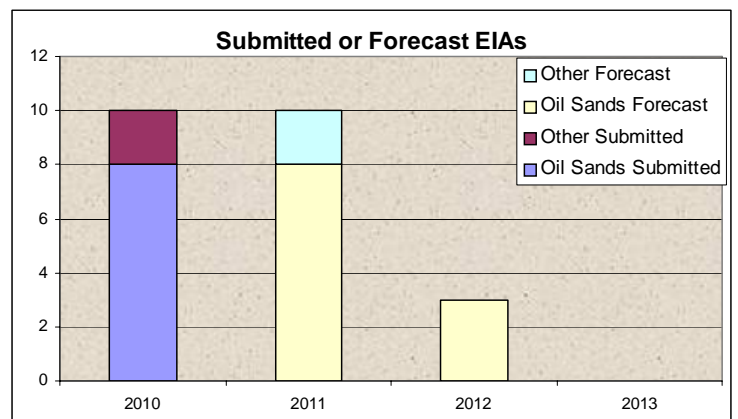
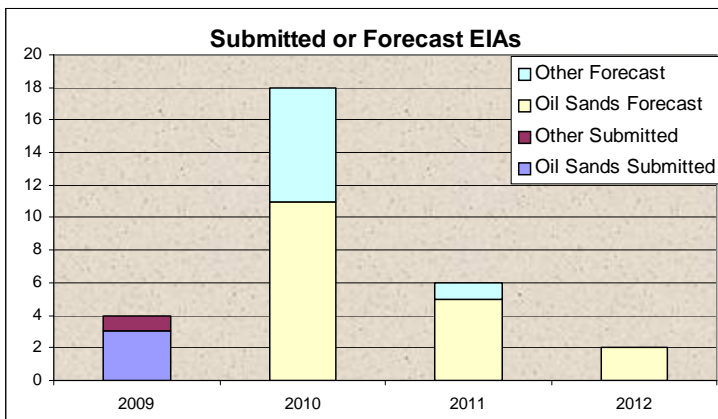
Environmental Assessment Program 2010 Year-End Statistics

The year-end Statistics are expanded to include comparisons of key statistics against the start of the year to examine trends. The year-end Statistics also include information on some long-term trends.

Upcoming Environmental Impact Assessment Reports

The charts below show the number of EIA reports submitted or proposed over the next several years (the chart on the left shows the status as of December 31, 2009; the one on the right shows status as of December 31, 2010). The charts separate out oil sands projects (mines, upgraders and in-situ projects), which have formed the majority of the EIA workload in recent years, and other projects.

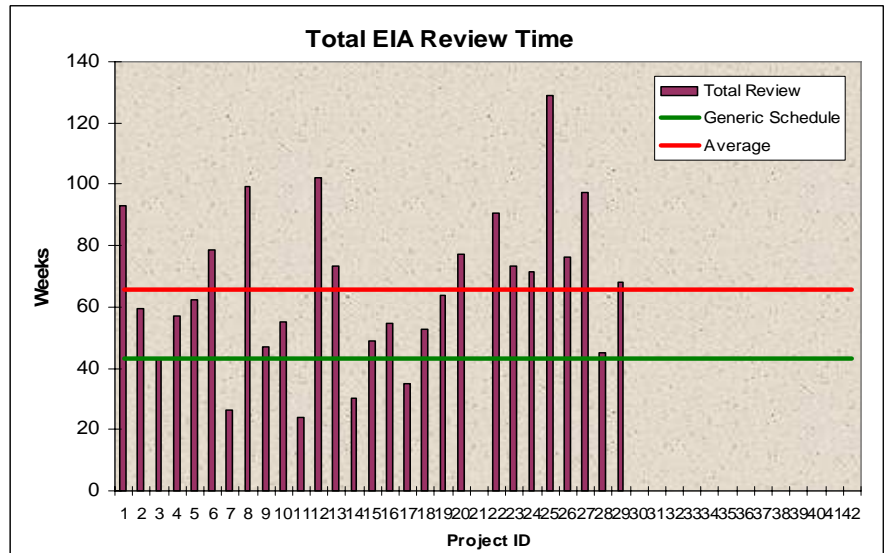
Over the year the following changes to the number of planned submissions occurred: 2010 (-8); 2011 (+4); 2012 (+1); 2013(0)¹. As with last year, most projects were shifted to future years as opposed to being cancelled outright.



¹ The numbers may not balance (i.e., sum to zero) as some projects may be added or deleted during the year.

Review Time Performance

Alberta Environment has adopted a standard review schedule for EIA projects of 43.3 weeks. The time period starts when the review begins and ends when the Director makes the decision that the EIA report is complete. The green line shows the 43.3 week target and the red line the average performance. In 2010 projects 25, 27, and 29 reached the EIA completeness stage.

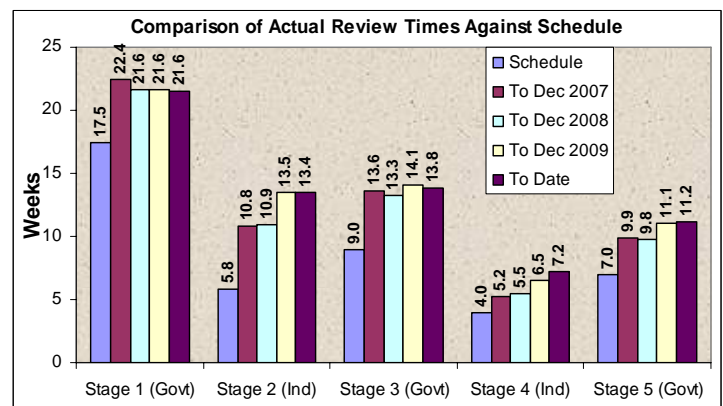
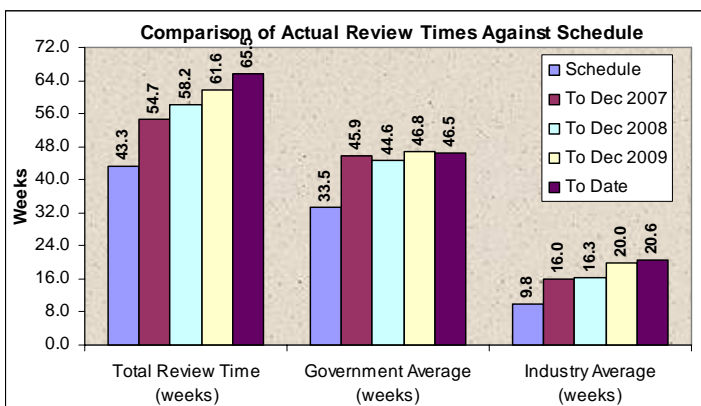


The chart shows the variability in review times for different projects. Empty columns indicate projects that are still under review as of this update.

The variability in performance is a reflection of the time taken by the government review teams and the time taken by the proponent in responding to the Supplemental Information Requests, as well as the complexity of the project and whether any significant project updates were submitted during the review.

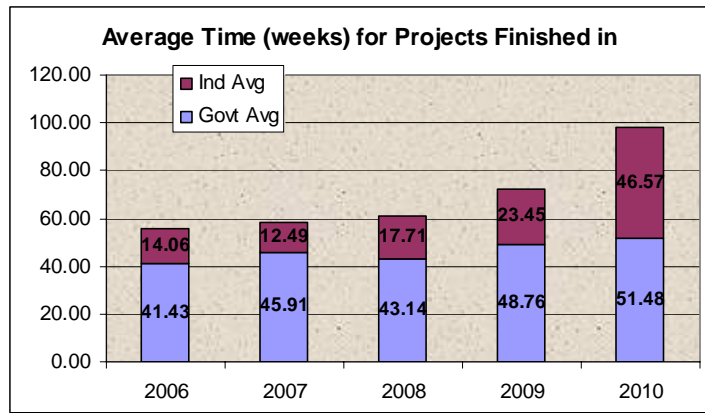
The chart on the left below shows the relative performance of the government review teams and proponents in meeting the times in the standard review schedule. The chart on the right breaks down the performance data by review stage.

- Stage 1 (Government) – Review EIA and send SIRs to Proponent
- Stage 2 (Industry) – Respond to SIRs
- Stage 3 (Government) – Review response and send any additional SIRs to Proponent
- Stage 4 (Industry) – Respond to SIRs
- Stage 5 (Government) – Review response and send EIA Completeness Letter to Board



The two charts above track cumulative performance (to the end of December 2007, 2008, 2009 and 2010) for all of the projects in the top chart. The sum of the individual times does not equal the Total Review Time since projects are at various stages of the review (i.e., only 25 projects may have been completed while 29 have reached Stage 1).

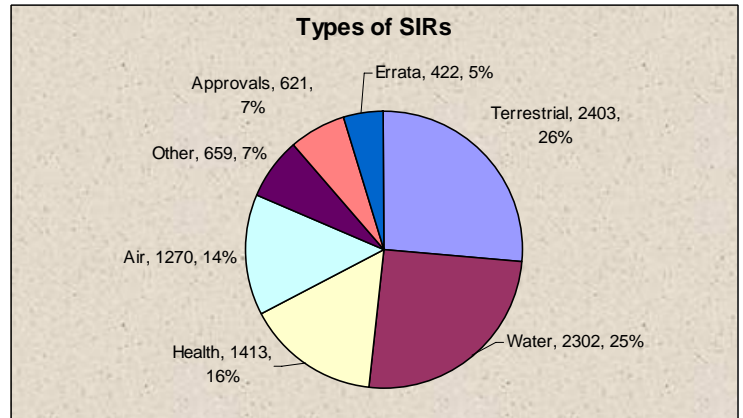
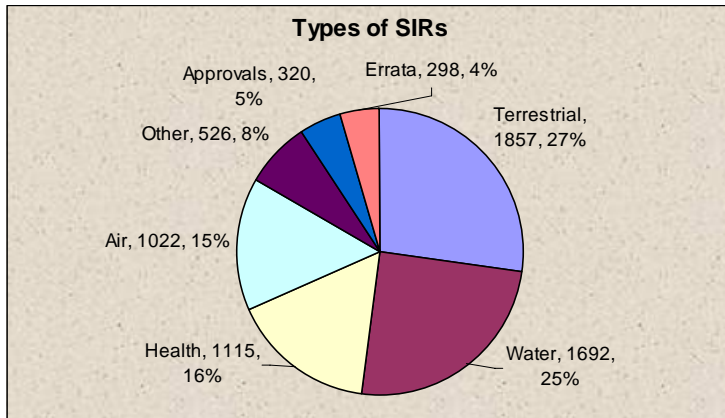
The chart to the right shows the average length of time for reviews completed in a given year (7 in 2006; 5 in 2007; 7 in 2008, 6 in 2009, and 3 in 2010).



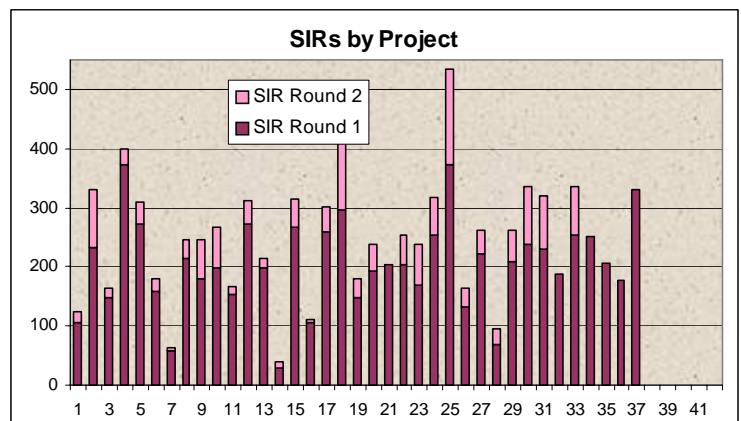
Supplemental Information Requests

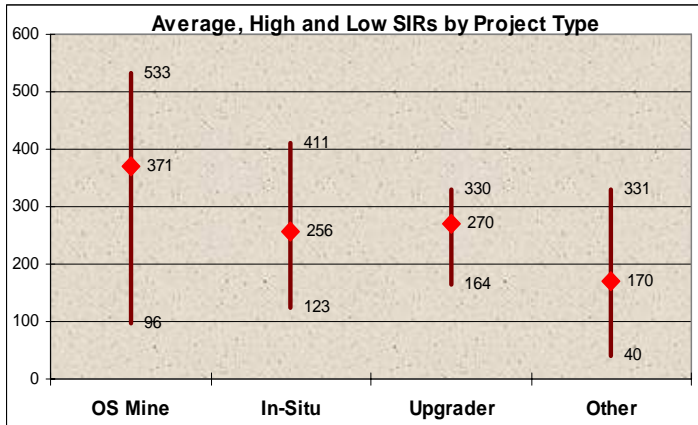
During the review of an EIA report and associated applications the review teams may require additional information. This additional information is solicited from the proponent through the Supplemental Information Request (SIR) process. Sometimes more than one round of Supplemental Information Requests is required.

The charts below show the types of questions asked by the review teams. The Terrestrial and Water teams have the largest number of questions because of the wide diversity of issues they cover. The overall trends are similar from 2009 (left chart) to 2010 (right). In 2010, 2260 SIR questions were asked.



The chart to the right shows the variability in the number of SIRs asked per project. The Project IDs are the same as those in the Review Time chart (top of page 2). The empty columns represent projects that have not had an SIR package issued yet.





The chart to the left shows the average number of SIRs by project type, as well as the high and low numbers. Generally, oil sands projects are more complex and generate more questions.

Fast Stats

	Dec 2009	Dec 2010
Number of EIAs currently under review	5	12
Number of EIA reviews completed this year ²	6	3
Average weeks from Final Terms of Reference to submission of EIA	21.1	24.4
Average weeks from submission of EIA to start of review	10.3	9.6
Number of federal referrals completed ³	21	40
Average weeks to complete federal referral	3.7	3.6
Number of e-mail notification system subscribers ⁴	702	732
Number of e-mail system postings	54	33
Number of 3PC Contracts ⁵ (Active/Completed)	16 (11/5)	26 (14/12)
Number of Different 3PC Contractors	7	10
Average 3PC Team Size	13	12
Total Amount Spent to Date on 3PC Projects	\$3.275M	\$4.575M
Total 3PC Hours Billed to Date	21,249	28,965

² The following project reviews were completed in 2010: Maxim Power Corp. HR Milner Expansion Project; Shell Canada Limited Jackpine Mine Expansion / Pierre River Mine; MEG Energy Corp. Christina Lake Regional Project Phase 3.

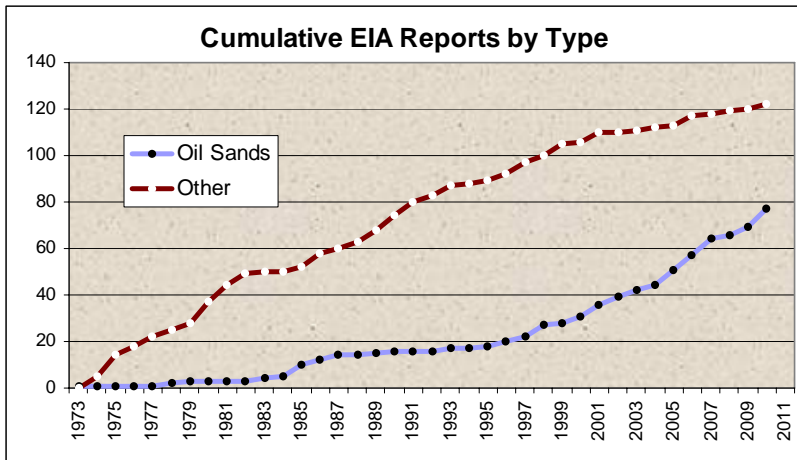
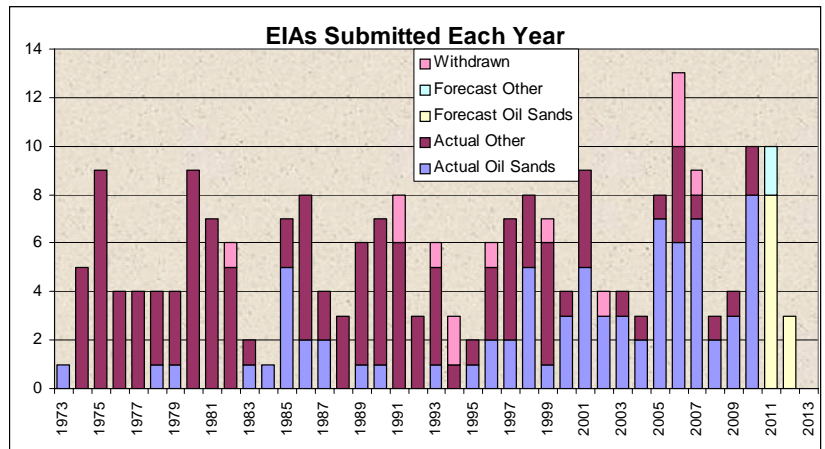
³ The *Canada-Alberta Agreement for Environmental Assessment Cooperation* provides Alberta the opportunity to comment on, or participate in, the review of projects in Alberta that trigger the federal environmental assessment process but do not require an EIA under the *Environmental Protection and Enhancement Act*.

⁴ If you are interested in receiving EIA status updates click on the *Sign Up for Environmental Assessment Updates E-mail Information Service* link on the Environmental Assessment webpage (<http://environment.alberta.ca/01495.html>). You will be asked to input your e-mail address and will then receive an e-mail notifying you about the service.

⁵ 3PC stands for Third Party Contracting. Alberta Environment started contracting out the review of the EIA and related applications to consulting firms in 2007. The proponent pays for the reviews but Alberta Environment selects the consulting firm and provides the direction for the work. See the website under the 3PC heading for more information.

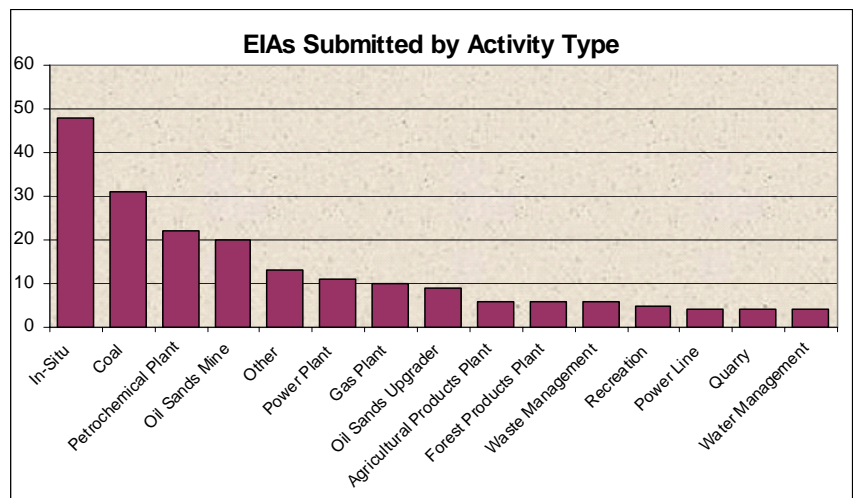
Long-Term Trends

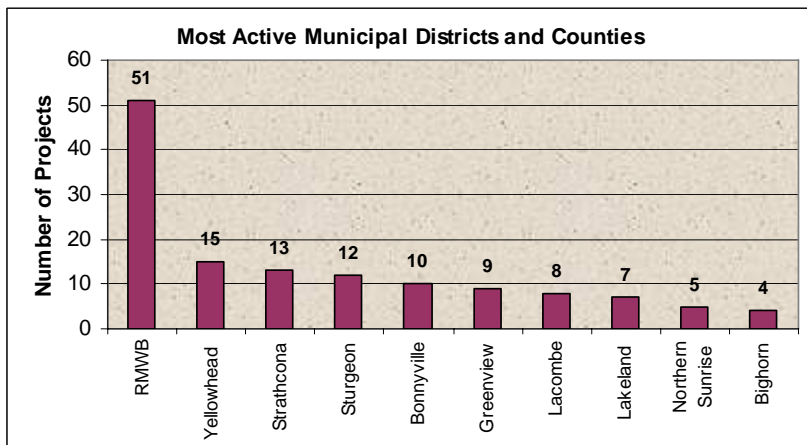
The chart to the right shows the number of EIA reports submitted each year. Projects in the chart shown as *Withdrawn* were submitted and then withdrawn or cancelled by the proponent at some time prior to the EIA completeness decision. All other charts in this report exclude withdrawn projects.



The chart to the left shows the running submission totals, split into oil sands and non-oil sands projects.

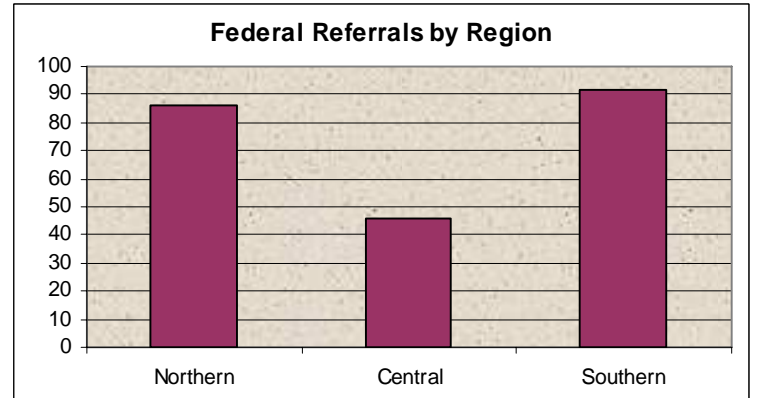
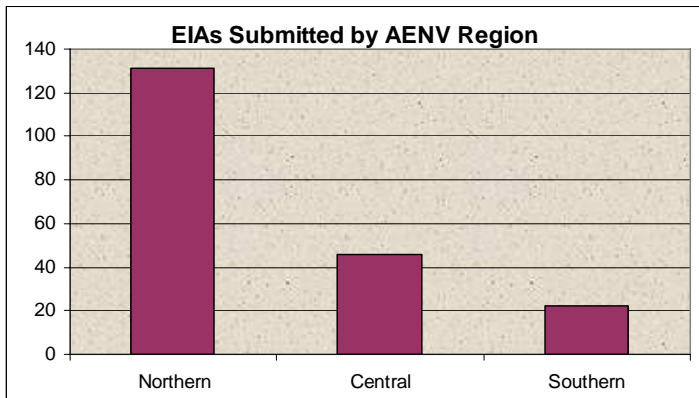
The chart to the right shows the number of EIA reports by project type (in-situ and coal projects dominate). Many of the other categories (e.g., gas plant, agricultural products plant, forest products plant, recreation) have not had submissions in several years.



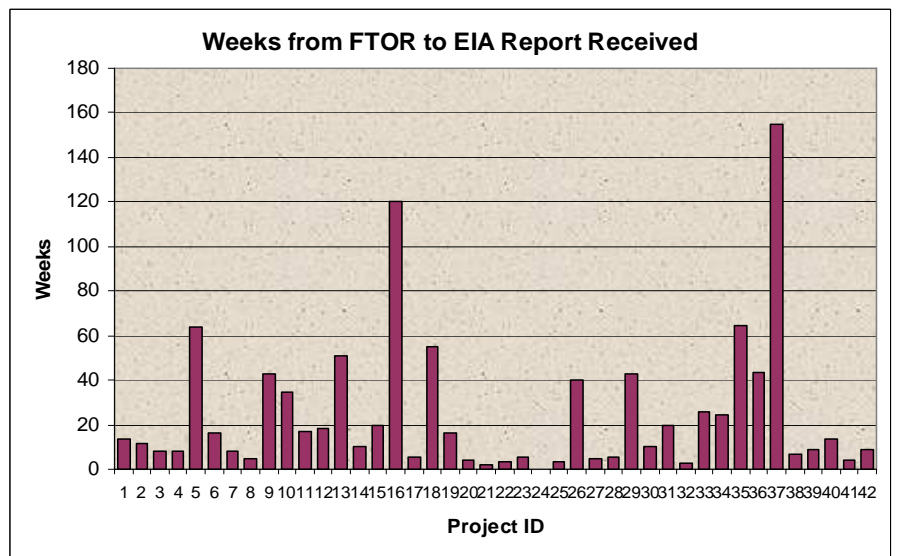


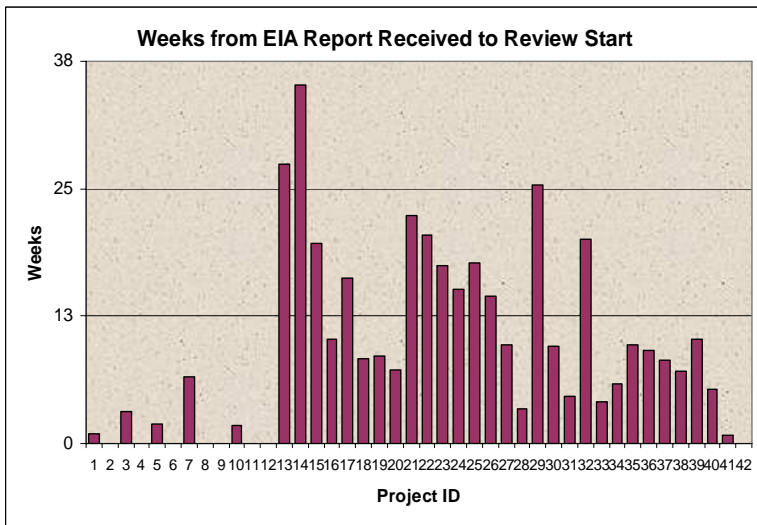
The chart on the left shows the top ten municipalities in which EIA projects are located (RMWB = Regional Municipality of Wood Buffalo). The distribution is a direct reflection of the distribution of activity types shown above.

The charts below show the number of EIA projects (left) and federal referral projects (right) by Alberta Environment Region. The dominance of Northern Region EIA projects reflects oil sands development, in particular in-situ projects.



The chart on the right shows the number of weeks elapsing between the time the Final Terms of Reference are published and the proponent submits their EIA report. Alberta Environment has issued Standardized Terms of Reference which provides a template for the contents of an EIA report. As a result of this, proponents are completing field work for the report prior to finalizing the Terms of Reference, as shown by the short time spans between publication and submission.





The chart to the left shows the elapsed time between submission of the EIA report to start of the review. The significant increase in time starting at Project 13 submitted in 2006 is what triggered the need for the 3PC initiative. 3PC provided the capacity to start reviews. The second increase at Project 21 occurred when the original target of using 3PC for six projects was reached. A decision was made in fall 2007 to use 3PC for all projects to ensure project reviews could start in a timely fashion.

The final chart shows the relationship between the number of SIRs and the review time. Many people assume that length of review time is a reflection of EIA report quality, and further assume that report quality is reflected in the number of SIRs (i.e., a project that generates a lot of SIRs must be poorer quality and therefore take a longer time to review). The chart suggests there is no clear relationship between number of SIRs and length of review.

