

Comments and Responses on SOCCR/SAP 2.2 Draft 1 (May 2006)
CHAPTER 9

COMMENT FROM PEER REVIEWERS						AUTHOR'S RESPONSE						
Comment Number	Reviewer ID	Chapter	Page	Line	Comment Text	Acknowledged, but no further response or revisions are required	Revisions have been incorporated as suggested in the comment	Agree, but see "Notes on Response"	Agree, but elaboration is precluded by length limitations	Disagree; see "Notes on Response"	Beyond scope of report/chapter	Notes on Response
09-001	15	9	General		Are the scope and intent of the synthesis and assessment product clearly described in the report? Are all aspects of this charge fully addressed? Do the authors go beyond this charge or their expertise? YES/YES/YES	X						
09-002	15	9	General		Are the conclusions and recommendations adequately supported by evidence, analysis, and argument? YES	X						
09-003	15	9	General		Are uncertainties or incompleteness in the evidence explicitly recognized? YES	X						
09-004	15	9	General		Are the data and analyses handled competently? Are statistical methods applied appropriately? YES/ YES	X						
09-005	15	9	General		Are the report's exposition and organization effective? Is the title appropriate? YES/YES	X						
09-006	15	9	General		Is the report fair and appropriately balanced? YES	X						
09-007	15	9	General		Are any of the report's findings based on value judgments or the collective opinions of the authors? If so, is this acknowledged, and are scientifically defensible reasons given for reaching those judgments? NO	X						
09-008	15	9	General		Does the executive summary concisely and accurately describe the key findings and recommendations? Is it consistent with the other sections of the report? YES/YES	X						
09-009	15	9	9-1	28	"...secondary to reducing building costs." It's not clear what this means. If it is an assertion that systematic pursuit of cost reduction (e.g., over the previous building built or the previous month's expenses paid) is a primary motive/activity in the buildings sector, I'd like to see some evidence or reference to previous work.		X					Added Footnotes and Reference
09-010	15	9	9-2	17	Footnote 5 requires a better reference.		X					Added Reference
09-011	15	9	9-2	19	"...large area available for siting..." the amount of floor space doesn't convert very directly to roof area for solar, e.g., on multi-story buildings		X					Added Footnote and Reference
09-012	15	9	9-3	1-2	We don't have enough information to understand what these "fluxes" are.			X				Sentence Removed. Other carbon fluxes refers to carbon in materials used in renovations, energy used in construction, renovation and demolition, embedded energy in materials, and energy associated with water use. Most or all of these elements may be included in sectors covered by other SOCCR chapters.
09-013	15	9	9-5	10	Define "Mt"; is this a large number?		X					Replaced with "metric tons" in a previous version
09-014	15	9	9-5	13-15	The California total includes a considerable amount of energy used for agricultural pumping. The following sentence would seem to reinforce that, since 94% of total US water use seems to be going somewhere besides homes and businesses. This needs to be clarified in the text.		X					Removed sentence referring to California, in order to avoid confusion. Reversed order of sentences in lines 12-15.
09-015	15	9	9-5	19-22	A very awkward sentence.		X					Sentence Revised and shortened.
09-016	15	9	9-6	1-2	Should provide some #s to support this.		X					Added Footnote refering to household size statistics in Table 2

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09-017	15	9	9-6	6-7	If "...wealthier people live in larger households..." means that family size increases with income, I'd like to see a reference to those data. There is a modest correlation in the US Census data between household size and income, but it is very modest and the causal direction likely goes the other way (more people = more money). If the statement is supposed to mean that income is correlated with dwelling size, that may be supportable, but the relationship is not linear and is complex. In either case, reference to data is needed.		X					Revised Sentence for Clarity
09-018	15	9	9-7	15	"...will likely include one or more..." I think the author intends to say "more than one." If not, the sentence doesn't make much sense. If the list is exhaustive, then, by definition, any effective approach will include at least one of its elements.		X					Accepted Suggestion
09-019	15	9	9-7	18	Definition of "ESCO" needed.		X					Added Footnote
09-020	15	9	9-9	17	Not clear what "including energy demand and supply" means.		X					Revised Sentence
09-021	15	9	9-9	26	What is a "roadmap" that will need to be updated?		X					Reference to Roadmap removed in current version
09-022	15	9	General		Overall Assessment: A useful review that could benefit from some editorial work and tightened references.	X						No Reponse Needed
09-023	15	9	General		Conclusion: Unfortunately, the paper tiptoes around the questions of (1) the sources of the market failures that are apparent in this sector, (2) what can be done to address those failures, and (3) what the mostly likely avenues to success might be. I suspect that it is the nature of the authors' charge—including a quest for a scientifically objective tone and the current political climate surrounding climate change issues and Federal science policy in general—that limits the paper in this way, not a weakness in their knowledge.	X						No Reponse Needed