

**From:** [Mike Curry](#)  
**To:** [Yasny, Ron@Energy;](#)  
**cc:** [Oglesby, Rob@Energy;](#) [Geiszler, Eurlyne@Energy;](#) [Levy, Michael@Energy;](#)  
[Ashuckian, Dave@Energy;](#) [Brook, Martha@Energy;](#)  
**Subject:** California State Energy Commission Report Contracts Question  
**Date:** Thursday, May 30, 2013 10:26:00 AM  
**Attachments:** [RE Question regarding Report on Rooftop Photovoltaic ...](#)  
[California ... Standards.msg](#)

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Dear Mr. Yasny:

I think the state of California will benefit if it included “lifecyle assessment of costs” analyses (rather than “direct costs” analyses) in reports such as the one referenced in the attached email. Can you include that requirement in your contracts, or is this a legislative requirement where “directs costs” analyses are required instead by state law?

Best regards,

Michael D. Curry  
Phone (916) 214 8623 Cell  
[MikeC@ArthurEngineering.com](mailto:MikeC@ArthurEngineering.com)



**From:** [Amber Mahone](#)  
**To:** [Mike Curry](#);  
**Subject:** RE: Question regarding Report on Rooftop Photovoltaic ...  
California ... Standards  
**Date:** Thursday, May 30, 2013 9:38:41 AM

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Hello Mr. Curry,

You are correct that the cost of recycling PV systems at the end of their useful life is not included in the cost-effectiveness analysis. These end-of-life costs would typically be included in a lifecycle assessment of costs, but are not typically included in the direct costs which are used in this analysis.

Regards,  
Amber

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**From:** Mike Curry [mailto:MikeC@arthurengineering.com]  
**Sent:** Thursday, May 30, 2013 9:00 AM  
**To:** Amber Mahone  
**Subject:** Question regarding Report on Rooftop Photovoltaic ...California ...  
Standards

Dear Ms. Mahone:

I quickly scanned you and your co-writer's draft "COST-EFFECTIVENESS OF ROOFTOP PHOTOVOLTAIC SYSTEMS FOR CONSIDERATION IN CALIFORNIA'S BUILDING ENERGY EFFICIENCY STANDARDS" and looked for any reference to the costs of recycling photovoltaic system materials at the end of their useful life. I did not notice anything about that. Perhaps I missed it, but if not, is that specifically excluded from your report as not part of the scope, or is it something that is not considered in any cost-effectiveness study? If it is not normally included, can you let me know why?

Best regards,  
Mike Curry

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