

June 4, 2007

Payam Bozorgchami  
California Energy Commission  
1516 9th Street, MS-42  
Sacramento, CA 95814-5504

Dear Payam:

This letter will add some additional data to other information sent on February 22 and June 4<sup>th</sup> of 2007 on the cost profiles of roofing systems in California, whether they are of a standard or Cool Roof design. This letter follows on the letter of June 4 again focusing on the California Energy Commission's call for information on cost comparisons against the low cost non-cool BUR systems that are in the market, specifically the base, three plies and a cap BUR system at \$2.07 per square foot. This letter will again show that Cool Roof single plies can compete effectively against this system.

The first table below looks at wood deck applications. In this construction, BUR can go directly to the deck and achieve a Class B fire rating as identified in Philip Dregger's letter of May 19, 2006. The single ply systems require substrate materials to help the single ply system obtain the Class B fire rating therefore, these components are included in the cost of the system. The BUR system in the first column is the system identified in Philip's letter as a key low-cost system. The other column lists the Cool Roof TPO system, which is shown to be very competitive against the BUR system and emulates the earlier data.

**WOOD DECK**

<b>SYSTEM</b>	<b>BUR</b>	<b>Cool Roof</b>
Deck Ply Construction Top Surface	BASE 3-Plies Cap	2-FR Plies 06-m TPO NR
Cost/sqft	\$2.07	\$1.99
NR – Not Required		

The second table looks at the cost of BUR and Single Ply on steel roofing decks. The cost in the chart below has the cost of the insulation system, which in specific cases includes the cover board where it applies. With the insulation being above the roof deck in steel construction, it not only offers the energy saving but also acts as the substrate for the roof system. When foam insulations are used, BUR place a cover board over the foam to prevent blistering. The costing that is being supplied includes the insulation and cover board where the cover board is required. Again, the Cool Roof single ply systems are shown to be competitive with BUR.

**STEEL DECK**

<b>SYSTEM</b>	<b>Dregger BUR</b>	<b>BUR</b>	<b>Cool Roof</b>
Insulation		R-17 ISO	R-19 ISO
Cover Board		Cover BD	NA
Deck Ply	NA	NA	NA
Construciton	3-Plies	3-PLY	60-m TPO
Top Surface	Cap	CAP	NA
Cost/sqft	\$2.15	\$4.30	\$3.28

The data included in this letter again shows how competitive Cool Roofing is in the California market. If you have any questions, please contact me at your convenience.

Best regards,



Richard J. Gillenwater