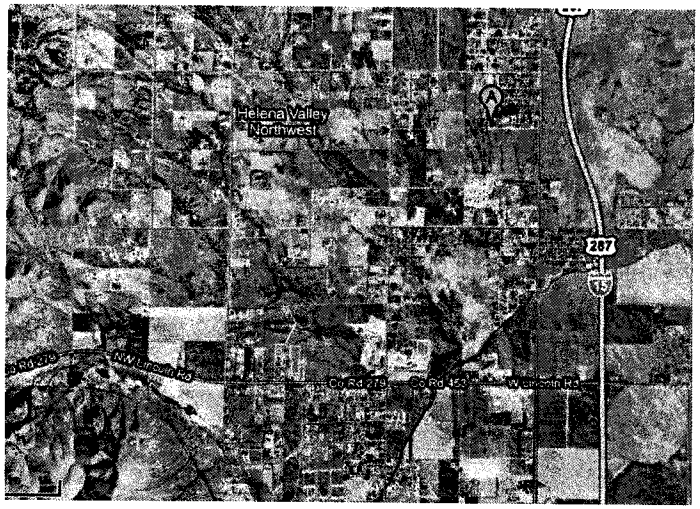
EXHIBIT 2
DATE 3/3/11
SB 159

Finished Vs Unfinished Basement

Payback of energy improvement based upon energy savings



MBIA compared the energy bills of 9 nearly identical homes.

- All 9 homes were finished in January of 2010
- All 9 homes are located on the same street (Antares, which runs east and west)
- All 9 homes have identical sq footage
- All 9 homes have the same window package
- All 9 homes have the same gas furnace and water heater
- 7 homes were built with an uninsulated basement
- 2 home were built with an insulated basement

Bottom Line Results:

- 3 of the 7 homes with uninsulated basements actually saved money compared to the homes with the insulated basements.
- 4 of the 7 homes had nearly equal yearly heating bills as the homes with the insulated basements.
- Payback for the 4 homes with nearly equal energy bills ranged from 41 years to 344 years.

Pay Back Comparison for Insulated Basements

Homes Built with Insulated Basements	Total Heating Bill for the year
Home #1	$740.87
Home #2	$612.19

Homes Built with Uninsulated Basements	Total Heating bill for the Year	Additional Cost Above the Heating Bill of Home #1	Additional Cost Above the Heating Bill of Home #2	Average Yearly Cost Savings for Home with Insulated Basement	Years Required to Pay Back $6,000 Cost of Insulating the Basement
Home #3	$633.99	($106.88)	$21.80	($42.54)	**Never**
Home #4	$693.95	($46.92)	$81.76	$17.42	**344**
Home #5	$804.30	$63.43	$192.11	$127.77	**47**
Home #6	$823.04	$82.17	$210.85	$146.51	**41**
Home #7	$774.64	$33.77	$162.45	$98.11	**61**
Home #8	$559.99	($180.88)	($52.20)	($116.54)	**Never**
Home #9	$636.88	($103.99)	$24.69	($39.65)	**Never**