ATTACHMENT 2

The WaterLink program has been specifically designed to maximize measurable, verifiable water and energy savings by, among other things, the following:

- Selecting to work in a project region with high embedded energy costs in source water.
- Selecting measures that capture high levels of immediate hot water savings that have associated standard and validated efficiency statistics.
- Implementing nonfunctional turfgrass replacement projects to deliver long term water saving and shift cultural norms.

To illustrate and confirm the savings claimed in each of the projects, Ecology Action has completed the "Attachment 2" workbook which includes the total and individual project water and energy savings, project related greenhouse gas (GHG) emission reductions, and reductions in energy and GHG emissions related to reductions in imported water. The summary provides the total combined values of the four projects while the project tabs provide these values for each individual project.

To document our methodologies and assumptions, we have added a List of Works Cited for each project that includes assumptions (number of units, rate of participation/installation targets, water and energy savings per measure, etc.), and calculations behind the total values in each project tab. Methodologies and assumptions are all based on published data from government sources such as the U.S. Environmental Protection Agency, trade industry organizations such as the American Council for an Energy-Efficient Economy (ACEEE), and utility studies including that of our partner, Santa Clara Valley Water District (SCVWD). These sources are identified through comments in individual cells in the data reference sheets. A summary of all of the sources is included in the list of works cited. Additionally, in developing the project we deeply researched the potential for service in terms of numbers of target residential and business units. The data tables that demonstrate that there is sufficient available market potential to deliver the proposed number of services are provided as Appendices to Attachment 7.

[1] To view the full Watts to Water report, please visit the Santa Clara Valley Water District Website at http://www.valleywater.org/ and search "Watts to Water" for a download link.

System-Specific Energy Intensity Factor and Imported Water

Our water utility partner, Santa Clara Valley Water District (SCVWD), is a recognized leader in water conservation and environmental awareness. In 2008 the District's Board passed a Climate Change Resolution, adopting several policies which mandate that the District address the possible impacts of climate change on the management of the District's water resources.

Subsequently, SCVWD periodically releases an updated "Watts to Water" report documenting the energy savings and air pollutant reductions that result from the District's water conservation and water recycling programs. The most recent report includes updated analysis of the energy savings and reductions in carbon dioxide and other air emissions brought about by its water use efficiency programs. The reports include detailed appendices on methodology, system specific energy intensity factors, and proportion of imported water in the system. It is through the District's diligence and efforts that we are able to apply these system specific data to ensure that our water and energy system savings estimates are as accurate and place-specific as possible.

Energy Intensity Factor (local) = 1544 kWh/AF
Energy Intensity Factor (imported) = 1695 kWh/AF
Imported Water = 55%