

# MULTIFAMILY PERFORMANCE PROGRAM

## Technical Topic – Existing Buildings

### Apartment Lighting Hours

The following recommendations for apartment-based lighting use hours are based on several research studies, including:

- 1) EIA's 1993 Residential Energy Consumption Survey, Lighting Supplement;
- 2) An M&V Evaluation of the EmPower New York Program conducted by Nexant in 2007;
- 3) An Evaluation of the 2004-2005 Partnership for Energy Affordability in Multi-Family Housing Program conducted by KEMA in 2006; and,
- 4) An analysis by Lawrence Berkeley National Laboratory of metered lighting data from a Tacoma Public Utility report.

<b>Fixture Location</b>	<b>Average Use (hrs/day)</b>
Kitchen / Dining	3.5
Living Room	3.5
Outdoor (Porch)	3.0
Hall	2.5
Laundry / Utility Room	2.5
Bedroom	2.0
Bath	2.0

*Note: All locations are apartment controlled.*

We recommend that the values shown in the table above be used as guidance when developing energy models. In the absence of site-specific data on lighting hours of use, these values offer reasonable assumptions.