

**LEED Building Operations and Maintenance
Activity #2 – Location and Transportation (LT)**

Before completing this Activity Read Reference Guide: Building Operations and Maintenance v4 – Pages 37-59

Note the following abbreviations are used in this activity:

- EB LEED O+M: Existing Building
- S LEED O+M: Schools
- R LEED O+M: Retail
- DC LEED O+M: Data Centers
- WDC LEED O+M: Warehouses and Distribution Centers
- HOS LEED O+M: Hospitality
- MF LEED O+M: Multifamily

Although the LEED O+M reference guide does not number the LEED prerequisites and credits, for this exercise they have been numbered in the order presented in the credit category.

Fill-In, Multiple Choice, Matching

1. Test your knowledge of how well you know the names of the credits for the Location and Transportation (LT) credit category and match the intent shown below to the prerequisite or credit:

| LEED O+M: EB, S, R, DC, WDC, HOS, MF | | |
|--------------------------------------|--------|------|
| Credit | Intent | Name |
| C1 | | |

| | INTENT |
|---|--|
| A | To reduce pollution and land development effects from automobile use for transportation. |

LT Credit Alternative Transportation

Establishment
None.

Performance
EB, S, R, DC, HOS, WDC, MF

Option 1. _____ **Point**

Conduct a _____ of building occupants on their transportation patterns. _____ building occupants must be surveyed. _____ must be surveyed if either the typical peak or daily average is greater than the number of regular building occupants.

Conduct a transportation survey at least once every _____ years.

OR

Option 2. _____ **Points**

Meet the requirements of _____.

Demonstrate an alternative _____ rate in accordance with Table 1.

Basic Support strategies

employer _____ events
guaranteed _____ trip
_____ parking for informal transit participant;
_____ schedule
_____ - _____ service

Direct strategies

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

MF Only

Option 3. _____

Path 1. _____ **Points**

Implement an alternative transportation program to reduce the _____ travel rates of building occupants.

Include elements from the following two categories.

Core strategies (1 point for each strategy implemented)

- Conduct a _____ of building occupants on their transportation patterns according to the requirements of Option 1.
- Sell parking _____ from all dwelling unit sales or leases and implement a parking _____ equivalent to the _____ cost of municipal public transit;
- Provide secure, covered _____ storage equivalent to _____ of regular building occupants;
- Provide transit passes or equivalent monthly transit subsidy for at least _____ upon unit occupancy;
- Provide access to green vehicles in a vehicle-sharing program with a number of vehicles equivalent to _____ of regular building occupants.

Supplemental strategies (1 point for every two strategies implemented)

- Provide a comprehensive _____ of transportation options through written communication or customized recommendations through an on-call service;
- Provide a _____ website for carpool, vanpool and/or carshare options;
- Provide _____ parking for carpool, vanpool and/or carshare vehicles;
- Provide regular or on-call _____ to major commerce and public transportation hubs;
- Provide bicycle sharing service membership for at least _____ upon unit occupancy;
- Provide _____ offices or workspaces within the project to support telecommuting.

AND/OR

Path 2. _____ **Points**

Document the project's _____ Score. Points are awarded according to Table 2. Projects outside the U.S. may demonstrate an equivalent level of pedestrian amenities and nearby uses.

| Table 2. Points for walk score | |
|--------------------------------|--------|
| Score | Points |
| Walk Score | |
| Walk Score | |
| Walk Score | |

An additional point up to the maximum of five points may be earned for a demonstrated Transit Score of at least _____ or Bike Score of at least _____.

Transportation _____ give building managers a better understanding of the transportation modes used by building occupants.

For mixed use projects, if the total nonresidential square footage is less than _____ and no greater than _____ square feet, it is acceptable for the entire building to be considered residential and follow only the residential guidance.

The project team must survey _____ if either their daily average or their typical peak number is greater than the number of _____ building occupants.

Students in K–12 schools are considered _____ rather than visitors.

If the survey response rate is less than _____ project teams may not extrapolate the raw rate of alternative transportation to the nonrespondents.

Multifamily

Sell _____ separately from all dwelling unit sales or leases and implement a parking _____ equivalent to the _____ cost of municipal public transit.

Provide secure, covered bicycle storage equivalent to _____ of residents.

Provide transit passes or equivalent monthly transit subsidy for at least _____ year upon unit occupancy.

Provide access to green vehicles in a vehicle-sharing program with a number of vehicles equivalent to _____ of regular building occupants.

Provide a comprehensive review of transportation options through _____ communication or customized recommendations through an on-call service.

Provide a matching website for _____, _____ and/or _____ options.

Provide regular or on-call _____ to major commerce and public transportation hubs.

Provide bicycle sharing service membership for at least _____ upon unit occupancy.

Provide _____ offices or workspaces within the project to support telecommuting.

List strategies that can help the project team achieve higher survey response rates and more accurate results:

- 1.
- 2.
- 3.
- 4.

Exemplary Performance can be achieved by Option 2. Demonstrate an _____ reduction from a conventional commuting baseline.

green vehicles vehicles achieving a minimum green score of _____ on the American Council for an Energy Efficient Economy (ACEEE) annual vehicle rating guide (or a local equivalent for projects outside the U.S.)