

## Environmental Stewardship

| Type of Measure | Selection Rule |                    | Strategic Plan Objective |
|-----------------|----------------|--------------------|--------------------------|
|                 | Output         | Outcome            |                          |
| Priority        | EN4            | EN4.1              | At-Risk Ecosystems       |
| Priority        | EN5            | EN5.1              | At-Risk Ecosystems       |
| Complementary   | EN1            | EN1.1              | Energy Efficiency        |
| Complementary   | EN2            | EN2.1              | Green Jobs               |
| Complementary   | EN3            | EN3.1 and/or EN3.2 | Awareness & Stewardship  |
| Complementary   | EN6            | EN6.1              | At-Risk Ecosystems       |

## ENVIRONMENTAL STEWARDSHIP

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| <b>Measure EN1</b>                             | Number of housing units of low-income households and public structures weatherized or retrofitted to improve energy efficiency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Definition of Key Terms</b>                 | <p><b>Housing Unit:</b> single family home, mobile home, apartment unit, each side of duplex would count as 1.</p> <p><b>Low income:</b> 200% of poverty or the updated level as found at: <a href="http://www.waptac.org/">http://www.waptac.org/</a></p> <p><b>Weatherization/retrofitted:</b> See the U.S. Department of Energy. Helpful information can be found at the following links: <a href="http://www.waptac.org/">http://www.waptac.org/</a> or <a href="http://www.energysavers.gov/">http://www.energysavers.gov/</a></p> <p><b>Weatherization:</b> Modifying a building to reduce energy consumption and costs and optimize energy efficiency. Whole-house weatherization includes the installation of modern energy-saving heating and cooling equipment and looks at how the house performs as a system.</p> <p><b>Retrofit:</b> An energy conservation measure applied to an existing building or the action of improving the thermal performance or maintenance of a building.</p> <p><b>Structures:</b> Shelters, such as homeless shelters or emergency shelters operated by nonprofit or public organizations; government-owned buildings. Each structure would count as 1.</p> <p><b>Improve energy efficiency:</b> Physical improvements to housing or building structures that improve energy-efficiency compared to standard new units built to local building code or the unit's existing energy efficiency, respectively.</p> |
| <b>How to Calculate/ Measure/ Collect Data</b> | Count only those units/structures where the work was fully completed as evidenced by a Certificate of Occupancy; where not required, get a written statement from resident or owner or some other certification of completion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Additional Notes</b>                        | <p>U.S. Department of Energy has training programs, definitions, and tools to assist in these efforts. Your program is not required to exactly match the way that DOE provides weatherization but we encourage you to create programs that reflect “the spirit of” the DOE programs.</p> <p>ENERGY STAR (ENERGY STAR-Qualified New Homes: <a href="http://www.energystar.gov/index.cfm?c=new_homes.nh_features">http://www.energystar.gov/index.cfm?c=new_homes.nh_features</a> and Home Performance with ENERGY STAR for existing homes: <a href="http://www.energystar.gov/index.cfm?fuseaction=hpwes_profiles.showSplash">http://www.energystar.gov/index.cfm?fuseaction=hpwes_profiles.showSplash</a>), LEED for Homes (<a href="http://www.usgbc.org/DisplayPage.aspx?CMSPageID=2135">http://www.usgbc.org/DisplayPage.aspx?CMSPageID=2135</a>), the NAHB National Green Building Program (<a href="http://www.nahbgreen.org">http://www.nahbgreen.org</a>)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| <b>Measure EN1.1</b>                           | Number of weatherized or retrofitted low-income households with reduced energy consumption or reduced energy costs.                                                                                                                                                                                                                                            |
| <b>How to Calculate/ Measure/ Collect Data</b> | Survey from a member of the household or building owner that documents reduced energy consumption or reduced energy costs.<br>Grantees can use an industry-accepted computer model (such as those available from the US Department of Energy) that estimates energy consumption reductions of at least 15% based on the weatherization or retrofits installed. |

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| <b>Measure EN2</b>             | Number of AmeriCorps members trained and/or certified for green jobs including the conducting of energy audits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Definition of Key Terms</b> | <p><b>Green Jobs:</b> Jobs that contribute substantially to preserving or restoring environmental quality. Specifically, but not exclusively, this includes jobs that help to protect ecosystems and biodiversity; reduce energy, materials, and water consumption through high efficiency strategies; de-carbonize the economy; and minimize or altogether avoid generation of all forms of waste and pollution. [Green Jobs: Towards decent work in a sustainable, low-carbon world (September 2008), United Nations Environmental Programme.]</p> <p><b>Trained:</b> The program should result in the AmeriCorps member having acquired job skills that match the industry accepted skills for a designated green job.</p> <p><b>Certified:</b> The trained AmeriCorps member has received an industry-accepted certification that qualifies them for a green job.</p> <p><b>Energy Audit:</b> See U.S. Dept. of Energy information for suggested definition <a href="http://www.waptac.org/">http://www.waptac.org/</a></p> |

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| <b>Measure EN2.1</b>                          | Number of trained AmeriCorps members placed in green jobs.                                                                                                                                                                                                            |
| <b>Definition of Key Terms</b>                | <b>Placed in jobs:</b> An AmeriCorps member is hired in a green job as a result of job skills training and/or certification provided; the AmeriCorps member may have been previously working in a different job or previously unemployed.                             |
| <b>How to Calculate Measure/ Collect Data</b> | Count of individuals receiving services in EN2.1 who secure employment in a green job during their term of service or within thirty days after finishing the program. Count each individual only once even if the individual receives placement in more than one job. |
|                                               | Suggested method is a copy of acceptance letter from employer or copy of first pay stub.                                                                                                                                                                              |

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| <b>Measure EN3</b>                             | Number of individuals receiving education or training in environmental stewardship and/or environmentally-conscious practices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Definition of Key Terms</b>                 | <p><b>Education or Training:</b> May be one-time or an on-going series; cannot just be distribution of pamphlets or information available on a web-site; should have learning objectives; may be in person or through a web-based interface.</p> <p><b>Environmental Stewardship and/or environmentally conscious practices:</b> Organized efforts to teach about how natural environments function and, particularly, how human beings can manage their behavior and ecosystems in order to live sustainably. Grantees are encouraged to utilize service learning when possible. Environmental topics should relate to real conditions in the community being served.</p>                                                                                         |
| <b>How to Calculate/ Measure/ Collect Data</b> | <p>Count of each individual participating in the educational event or training. Some individuals may attend multiple events or trainings but they should only be counted once. If providing the training through classroom curriculum, count the individuals present not just those enrolled. If providing the training through a school assembly presentation, get the best estimate from school officials of the number in attendance.</p> <p>The educational events or training should be in response to a specifically identified need in the community to either increase knowledge or to change behavior.</p> <p>Sign-in or attendance sheets from education/training sessions when possible. Tracking needs to enable unduplicated count when possible.</p> |

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| <b>Measure EN3.1</b>                           | Number of individuals with an increase in knowledge of environmental stewardship and/or environmentally-conscious practices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Definition of Key Terms</b>                 | <b>Increase in knowledge:</b> Participants gain environmental information and/or understanding that they did not have prior to participating in the event/training. The outcome should align with the intended change of the output/activity as defined by the community need. Educational activities may be targeted to adults or youth.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>How to Calculate/ Measure/ Collect Data</b> | <p>Grantees are encouraged to utilize pre- and post-tests to assess a change in the actual knowledge of the participants (not the individual's opinion of their level of knowledge). A mixture of basic knowledge and more challenging questions can be asked so that members of an audience with a wide range of initial level of knowledge are more likely to demonstrate an increase in correct answers from the pre- to the post-test. In developing targets, grantees should take into account that the projected number of returned post-surveys or tests is unlikely to be 100% of the educated population. Grantees can use a random sample or stratified random sample with CNCS approval of the sampling plan. In this case, results can be applied to the entire population.</p> |

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| <b>Measure EN3.2</b>                           | Number of individuals reporting a change in behavior or the intent to change behavior within one year in order to better protect the environment and/or reduce energy consumption as a result of the educational event or training they received.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Definition of Key Terms</b>                 | <b>Change in behavior or Intent to change behavior:</b> Individuals state practices that they do now or plan to do that are encouraged or recommended by the training or educational event which are different than the practices they had prior to the training.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>How to Calculate/ Measure/ Collect Data</b> | <p>Grantees should utilize surveys to assess a change in (or intent to change) behavior of the participants. It is preferable to assess an actual change in behavior at some point after the educational event or training to determine if the change has actually occurred. However, assessments are expected to occur within the grant year. In developing targets, grantees should take into account that the projected number of returned post-surveys is unlikely to be 100% of the educated population. Grantees can use a random sample or stratified random sample with CNCS approval of the sampling plan. In this case, results can be applied to the entire population.</p> <p>Studies have shown that the process of publicly committing to make a change in behavior increases the chances that the change will occur.<br/>(<a href="http://www.toolsofchange.com/en/tools-of-change/obtaining-a-commitment/">http://www.toolsofchange.com/en/tools-of-change/obtaining-a-commitment/</a>)</p> |

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| <b>Measure EN4</b>                             | Number of acres of national parks, state parks, city parks, county parks, or other public and tribal lands that are treated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Definition of Key Terms</b>                 | <p><b>National parks, State parks, city parks, county parks:</b> Park/recreation areas that are designated by national, state, city, or county governments (not trails or rivers; see #5)</p> <p><b>Other public lands:</b> Other publicly owned lands; land owned by nonprofits for public use or the public good (such as land conservancies); and public easements.</p> <p><b>Tribal lands:</b> Same meaning as imparted by the definitions of “Indian Lands” and “Indian Tribes” provided in. <b>SEC. 101. [42 U.S.C. 12511] Definitions</b> (<a href="http://www.americorps.gov/help/ac_sn_all/ASN_Megasearch_Site.htm">http://www.americorps.gov/help/ac_sn_all/ASN_Megasearch_Site.htm</a>)</p> <p><b>Treated:</b> National service members and/or program volunteers removed invasive species, planted native plants, built riparian buffers, cleared of natural debris (such as fallen trees/limbs, hazardous fuel) and unnatural debris (such as disaster debris and improperly disposed waste). Treatment must go beyond basic trash removal.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>How to Calculate/ Measure/ Collect Data</b> | <p>Count of number of acres that are treated for the intent of improvement. Count each acre that is treated only once during the program year. It may be necessary to treat an acre more than once, but it should be counted only once. Only count the acres that are actually treated; do not count the entire park/land area unless your project treats the entire area.</p> <p>Tracking document, survey or acknowledgement of receipt of services from entity that owns or administers the area improved.</p> <p>CNCS encourages applicants and grantees to perform service with the greatest impact versus providing minimal impact to the highest number of acres. The applicant or grantee should identify a certain deficiency or serious environmental risk or describe a compelling problem that is well documented and propose an evidence-based intervention to address the problem and enhance the land or habitat to a higher-quality ecosystem. The evidence-base could be a governmental land management improvement plan if it addresses the targeted problem, and is preferably an identified priority in the plan, although it is preferable to also describe how the proposed intervention will return the targeted area to a higher-quality environment and relevant evidence to support the value of the intervention. For example, while conducting seasonal maintenance may allow a grantee to report greater numbers of acres “improved”, it is less likely to be selected for funding if it does not address a compelling environmental problem, deficiency, risk or priority (ideally one that has been documented in a governmental land management improvement plan).</p> |

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| <b>Measure EN4.1</b>                           | Number of acres of national parks, state parks, city parks, county parks, or other public and tribal lands that are improved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Definition of Key Terms</b>                 | <p><b>National parks, State parks, city parks, county parks:</b> Park/recreation areas that are designated by national, state, city, or county governments (not trails or rivers; see #5)</p> <p><b>Other public lands:</b> Other publicly owned lands; land owned by nonprofits for public use or the public good (such as land conservancies); and public easements.</p> <p><b>Tribal lands:</b> Same meaning as imparted by the definitions of “Indian Lands” and “Indian Tribes” provided in. SEC. 101. [42 U.S.C. 12511] Definitions (<a href="http://www.americorps.gov/help/ac_sn_all/ASN_Megasearch_Site.htm">http://www.americorps.gov/help/ac_sn_all/ASN_Megasearch_Site.htm</a>)</p> <p><b>Improved:</b> Renovated to reduce human impact or the negative impact of natural disasters or invasive species, restored native plants and habitat, reduced erosion, protected watersheds, reduced wildfire risk, upgraded or repaired outdoor recreation facilities or signage, increased public safe access, protected flora and fauna. Improvement should be consistent with an accepted natural resource restoration, maintenance or improvement plan.</p>                                                                                                                                                                                                                                                                                                                              |
| <b>How to Calculate/ Measure/ Collect Data</b> | Count of number of acres that are assessed by the managing entity/land manager as having been improved to an acceptable level as defined by the sponsoring agency or land manager in accordance with their natural resource plan. Count each acre that is improved only once during the program year. It may be necessary to improve an acre more than once, but it should be counted only once. Only count the acres that are actually improved; do not count the entire park/land area unless your project improves the entire area. It is possible that the number of acres assessed by the land manager as having been improved in accordance with their natural resource plan is less than the total number of acres treated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                | <p>Tracking document or survey stating the number of acres actually improved and a statement that the impact of this intervention will contribute to the return of the targeted area to a quality environment from entity that owns or administers the area improved.</p> <p>CNCS encourages applicants and grantees to perform service with the greatest impact or the highest priority versus deferring to only providing minimal impact to the highest number of acres. The applicant or grantee should identify a certain deficiency or serious environmental risk or describe a compelling problem that is well documented and propose an evidence-based intervention to address the problem and enhance the land or habitat to a higher quality ecosystem. The evidence-base could be a governmental land management improvement plan if it addresses the targeted problem, and is preferably an identified priority in the plan, although it is preferable to also describe how the proposed intervention will return the targeted area to a quality environment and relevant evidence to support the value of the intervention. For example, while conducting seasonal maintenance may allow a grantee to report greater numbers of acres “improved”, it is less likely to be selected for funding if it does not address a compelling environmental problem, deficiency, risk or priority (ideally one that has been documented in a governmental land management improvement plan).</p> |

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| <b>Measure EN5</b>                             | Number of miles of trails or waterways (owned/maintained by national, state, county, city or tribal governments; nonprofits when for public use or the public good; and public easements) that are treated and/or constructed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Definition of Key Terms</b>                 | <p><b>Trails:</b> For walking, running, biking, horses or other forms of recreation.</p> <p><b>Waterways:</b> Includes rivers, lakes and other bodies of water on or abutting public land.</p> <p><b>Treated:</b> Removed invasive species, planted native plants, built riparian buffers, improved tread/corridor of existing trail or made changes to increase the trail lifespan, removed unsafe trail structures, repaired damage caused by visitor use, made changes to increase accessibility, cleared of natural debris (such as fallen trees/limbs and hazardous fuel) and unnatural debris (such as disaster debris and improperly disposed waste). Treatments must go beyond basic trash removal.</p> <p><b>Constructed:</b> Making new trails available by implementing safety measures, making handicapped accessible, or environmental protection measures such as boardwalks, grading, trail-blazing, converting a railroad bed to a trail, etc. that make trails newly available.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>How to Calculate/ Measure/ Collect Data</b> | <p>The applicant or grantee should identify a certain deficiency or serious environmental risk or describe a compelling problem that is well documented and propose an evidence-based intervention (treatment) to address the problem that will lead to the improvement or restoration of the trail or waterway to a higher quality ecosystem. The prescribed treatment/intervention could be a governmental land management improvement plan if it addresses the targeted problem, and is preferably an identified priority in the plan. For example, adhere to the resource management standards for riparian work specified by USDA’s Natural Conservation Practice Standard “Riparian Herbaceous Cover”: <a href="http://www.nrcs.usda.gov/technical/Standards/nhcp.html">http://www.nrcs.usda.gov/technical/Standards/nhcp.html</a>.</p> <p>Sum of number of miles of trails and/or waterways that are treated, and/or constructed. Count each mile only once during the program year. Count the area treated on/in the trail/waterway and immediately next to the trail/waterway. It may be necessary to treat the same mile of trail/waterway more than once but include in count only once. If, for example, the program or project is to repair a trail, then the whole width of the trail that is being repaired can be counted, not just the width of the fencing. If the lack of a trail has led to damage in the area, then the area of that restoration/repair work would count too.</p> <p>CNCS encourages applicants and grantees to perform service with the greatest impact versus providing minimal impact to the highest number of miles. The applicant or grantee should identify a certain deficiency or serious environmental risk or describe a compelling problem that is well documented and propose an evidence-based intervention to address the problem and restore the trail or waterway to a safe and useable status or enhance the waterway to a higher-quality ecosystem. The evidence-base could be a governmental land management improvement plan if it addresses the targeted problem, and is preferably an identified priority in the plan. Describe how the proposed intervention will return the targeted area to a quality environment and relevant evidence to support the value of the intervention. For example, while conducting seasonal maintenance may allow a grantee to report greater numbers of miles “treated”, it is less likely to be selected for funding if it does not address a compelling environmental problem, deficiency, risk or priority.</p> <p>Tracking document, survey or acknowledgement of receipt of services from entity that owns or administers the trail or waterways improved.</p> |

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| <b>Measure EN5.1</b>                           | Number of miles of trails or waterways (owned/maintained by national, state, county, city or tribal governments; nonprofits such as land conservancies when the land is for public use or the public good; and public easements) that are improved, and/or put into use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Definition of Key Terms</b>                 | <p><b>Trails:</b> For walking, running, biking, horses or other forms of recreation.</p> <p><b>Waterways:</b> Includes rivers, lakes and other bodies of water on or abutting public land.</p> <p><b>Improved:</b> Restored to reduce human impact, reduced the impact of natural disasters, removed invasive species, restored native plants and habitat, protected watersheds, created new trail, increased safe condition of useable trails, increased accessibility, protected flora and fauna. Improvement should be consistent with an accepted natural resource restoration, maintenance or improvement plan.</p> <p><b>Put into use:</b> Established safe and useable trails or waterways.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>How to Calculate/ Measure/ Collect Data</b> | <p>Sum of number of miles of trails and/or waterways that are assessed by the managing entity/land manager as having been improved to an acceptable level as defined by the sponsoring agency or land manager in accordance with their natural resource plan. Count each mile only once during the program year. It is possible that the number of acres assessed by the land manager as having been improved in accordance with their natural resource plan is less than the total number of miles treated.</p> <p>The improvement should be the acceptable level of implementation of the prescribed intervention to address a certain deficiency or serious environmental risk that is well documented. The evidence-base could be a governmental land management improvement plan if it addresses the targeted problem, and it is preferable to describe how the proposed intervention will contribute to the return the targeted area to a quality environment. For example, while conducting seasonal maintenance may allow a grantee to report greater numbers of miles “improved”, it is less likely to be selected for funding if it does not address a compelling environmental problem, deficiency, risk or priority (ideally one that has been documented in a governmental land management improvement plan).</p> <p>Tracking document or survey from entity that owns or administers the trail or waterways improved.</p> |

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| <b>Measure EN6</b>                             | Number of tons of materials collected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Definition of Key Terms</b>                 | See the following link at the Environmental Protection Agency for helpful information on recycling: <a href="http://www.epa.gov/waste/consERVE/rrr/recycle.htm">http://www.epa.gov/waste/consERVE/rrr/recycle.htm</a><br><b>1 Ton</b> = 2,000 pounds.<br><b>Collected:</b> Materials may be brought to your program or your program may collect them from places that would otherwise not benefit from free recycling programs.                                                                                                                             |
| <b>How to Calculate/ Measure/ Collect Data</b> | Count of tons of materials collected. Use the EPA volume translator to add up the number of pounds of materials collected:<br><a href="http://www.epa.gov/waste/consERVE/tools/recmeas/docs/guide_b.pdf">http://www.epa.gov/waste/consERVE/tools/recmeas/docs/guide_b.pdf</a> . Then perform the following calculation to get number of tons: # of pounds/2,000 = # of tons.<br>EPA has suggested tracking methods at:<br><a href="http://www.epa.gov/waste/consERVE/tools/recmeas/index.htm">http://www.epa.gov/waste/consERVE/tools/recmeas/index.htm</a> |

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| <b>Measure EN6.1</b>                           | Number of tons of materials recycled.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Definition of Key Terms</b>                 | <b>Recycled:</b> The collected materials will be reused in some form and not disposed of. Your program may deliver them to a reputable recycling site or may recycle the materials directly; recycling includes a variety of techniques including composting, re-using, and take back programs in addition to programs typically called recycling. The program needs to verify that there are contracts for the sale or transfer of materials to a processor for reuse or an end user. |
| <b>How to Calculate/ Measure/ Collect Data</b> | Count of tons of materials recycled. Use the EPA volume translator to add up the number of pounds of materials recycled:<br><a href="http://www.epa.gov/waste/consERVE/tools/recmeas/docs/guide_b.pdf">http://www.epa.gov/waste/consERVE/tools/recmeas/docs/guide_b.pdf</a> . Then perform the following calculation to get number of tons: # of pounds/2,000 = # of tons.                                                                                                             |