

# Organizational GHG Accounting: Measuring an Organization's Carbon Footprint

## GHG Protocol/ISO 14064-1 Essentials – Greenhouse Gas Inventories

### Course Overview

Morning Session			
Time	Topic	Material Covered	Activities
8:00	<i>Introduction &amp; Overview</i>	<ul style="list-style-type: none"> <li>• Course Introduction</li> <li>• Business Applications for Corporate GHG Inventories</li> <li>• Overview of Industry Standards and Protocols</li> <li>• Sources of GHG Emissions</li> <li>• Greenhouse Effect, Global Warming Potentials and Carbon Dioxide Equivalents</li> </ul>	Class Discussion
8:45	<i>Intro to GHG Inventories</i>	<ul style="list-style-type: none"> <li>• Accounting and Reporting Principles</li> <li>• Overview of Inventory Development Process</li> <li>• Planning Inventory Development and Implementation</li> <li>• Introduction to Inventory Boundaries</li> </ul>	
9:00	<i>Organizational Boundaries</i>	<ul style="list-style-type: none"> <li>• Setting Organizational Boundaries</li> <li>• Complex Company Structures                             <ul style="list-style-type: none"> <li>○ Equity Share vs. Control</li> </ul> </li> </ul>	
9:45	<i>Operational Boundaries</i>	<ul style="list-style-type: none"> <li>• Identifying and Categorizing Emission Sources</li> <li>• Direct and Indirect Emissions</li> </ul>	
10:30	<i>Tracking and Reporting Emissions Over Time</i>	<ul style="list-style-type: none"> <li>• Setting the Base Year                             <ul style="list-style-type: none"> <li>○ Single Year vs. Multiyear</li> </ul> </li> <li>• Recalculating Historic Emissions</li> <li>• Fixed vs. Rolling Base Year</li> </ul>	Exercise: Setting Boundaries
11:15	<i>Collecting Data</i>	<ul style="list-style-type: none"> <li>• Approaches for gathering data</li> <li>• Data collection &amp; management</li> <li>• Emission Factors and data quality</li> </ul>	
12:00	<b>Lunch Break</b>		
Afternoon Session			
1:00	<i>Calculating Emissions</i>	<ul style="list-style-type: none"> <li>• Calculation Approaches</li> <li>• Calculation Tools</li> <li>• Sample Calculations</li> </ul>	Exercise: Quantifying Emissions
2:00	<i>Applying the Concepts</i>	<ul style="list-style-type: none"> <li>• Creating a GHG Inventory</li> </ul>	Exercise: Participants break into groups and create an inventory
3:30	<i>Carbon Markets, Offsets &amp; Climate Policy Evolution</i>	<ul style="list-style-type: none"> <li>• Overview of Cap-and-Trade Systems</li> <li>• Offsets: Origination, Sourcing &amp; Standards</li> <li>• Policy &amp; Legislative Initiatives                             <ul style="list-style-type: none"> <li>○ International, Federal, State &amp; Regional</li> </ul> </li> </ul>	
4:30	<i>Recap &amp; Discussion</i>		
5:00	<i>Adjourn</i>		

