San Francisco Carbon Fund
History
Office of the Mayor
City & County of San Francisco

Executive Directive 07-13
Local Carbon Offset Program

December 18, 2007

Gavin Newsom
Mayor
Some % of Airfare: City Employee Air Travel
Reduce your carbon footprint.
[Establishing Carbon Mitigation Program.]

Ordinance amending the San Francisco Administrative Code by adding a new Chapter 52 to establish the San Francisco Carbon Mitigation Program administered by the Department of the Environment to reduce or offset local greenhouse gas emissions; and making environmental findings.

Note: Additions are *single-underline italics Times New Roman*; deletions are *strikethrough italics Times New Roman*. Board amendment additions are *double underlined*. Board amendment deletions are *strikethrough normal*.

Be it ordained by the People of the City and County of San Francisco:

Section 1. The San Francisco Administrative Code is hereby amended by adding a new Chapter 52, to read as follows:

**CHAPTER 52: SAN FRANCISCO CARBON MITIGATION PROGRAM**
Three Components

Marketing

Administration

Projects
2009 Climate Passport
2010 Selling Dogpatch Offsets

MAKING A LASTING DIFFERENCE
The Biophysical Society Contribution to the SFCarbon Fund and the City and County of San Francisco
Challenges

- Scale
- Type
- Verification
- Upfront Costs
2011 City Hall Fellows
San Francisco
Carbon Fund
The San Francisco Carbon Fund provides an opportunity for conferences and conventions to mitigate their event-related greenhouse gas emissions by investing in local projects.
• 1. Supports CCSF strategic plan/CAS
• 2. Project Need
• 3. Innovative
• 4. Leveraging resources
• 5. Community building
• 6. Access/Equity
• 7. Driving the Market
Projects
Carbon Calculator

- Project is completed.

**Impervious surfaces:** Surfaces where water cannot percolate into the ground (compacted soils, concrete, asphalt). **Pervious Surfaces:** Surfaces where water can be absorbed by the ground (amended soils, vegetated surfaces).

**ECOSYSTEM SERVICES: STORMWATER RUNOFF ESTIMATE CHANGE IN SURFACE CONDITIONS**

<table>
<thead>
<tr>
<th>TWO STEPS:</th>
<th>EXISTING SITE</th>
<th>SITE AFTER PROJECT IS COMPLETE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE RUNOFF FORMULA</td>
<td>IMPERVIOUS SURFACE</td>
<td>PERVERIOUS SURFACE</td>
</tr>
<tr>
<td>IMPERVIOUS SURFACE</td>
<td>0.9</td>
<td>0.2</td>
</tr>
<tr>
<td>PERVERIOUS SURFACE</td>
<td>0.9</td>
<td>0.2</td>
</tr>
<tr>
<td>ESTIMATED AREA (ft²) (length x width)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RUNOFF COEFFICIENT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANNUAL RAINFALL from &gt;=0.25&quot; precipitation days</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.91</td>
<td>3.91</td>
<td>3.91</td>
</tr>
<tr>
<td>RUNOFF PER SURFACE CONDITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>+</td>
<td>0</td>
</tr>
<tr>
<td>Total Direct Runoff (Gallons)</td>
<td>0</td>
<td>existing</td>
</tr>
<tr>
<td>ESTIMATED REDUCTION IN RUNOFF / YEAR</td>
<td>0</td>
<td>gallons</td>
</tr>
</tbody>
</table>

**ECOSYSTEM SERVICES: ESTIMATED TOTAL BENEFITS OVER 30-YEARS**

<table>
<thead>
<tr>
<th>MATURE HEIGHT</th>
<th>FOilage</th>
<th>CARBON SEQUESTERED (lbs)</th>
<th>STORMWATER (gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMALL</td>
<td>Evergreen</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Deciduous</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>MEDIUM</td>
<td>Evergreen</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Deciduous</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>LARGE</td>
<td>Evergreen</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Deciduous</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

- Estimated greening ecoservice benefits are linked to the summary ecosystem services tab.
2010/13 Urban Orchards
2014 Community Greening
2015 Sisterhood Gardens

SISTERHOOD GARDENS BUILD DAY
Saturday April 15th, 9:00 - 12:00 pm
Located: Corner of Brotherhood Way & Arch St.
2016 Greening/Compost Research
2018 Low Carbon Congregations
2010/13 Fruit Trees
• 29 Projects
• 1900 Trees
• 29,000 Plants
• 47,000 ft²
• 71M gallons run-off
• 2800 Metric Tons CO₂
As important as the carbon.....

- 95 Project Sites
- 2400 Volunteers
Shawn Rosenmoss
Development, Community Partnerships, SF Carbon Fund