

MEMO

To: EEC
From: Energy efficiency working group
Re: Energy Efficiency; Low Cost Housing
Date: October 24, 2017

PROBLEM

- 1) Energy Efficiency
- 2) Energy cost impact on housing and commercial buildings

BACKGROUND

- 1) Nationally, buildings use about 40% of the energy consumed.
- 2) About 15% of the electrical energy currently produced by Columbia is produced by renewable energy sources, the 85% remaining is produced by fossil fuels,
- 3) Fossil fuel burning results in global warming and the related economic disasters.
- 4) EPA information sources:

<https://www.epa.gov/energy/electricity-customers> This site says Residential uses 37% of electricity and Commercial uses 35% leaving 27% for Industry.

COLUMBIA OPTIONS

- 1) Government options (past and future)
- 2) Individual options (past and future)
- 3) Existing ordinances
- 4) Existing practices

MAP

See study areas identified in the Strategic Plan:
<https://www.como.gov/strategic-plan/focus-neighborhoods/>

[Central Strategic Plan Neighborhood map](#)

<https://www.como.gov/CMS/pressreleases/downloadfile.php?id=1524>

[East Strategic Plan Neighborhood map](#)

<https://www.como.gov/CMS/pressreleases/downloadfile.php?id=1646>

[North Neighborhood Map](#)

<https://www.como.gov/CMS/pressreleases/downloadfile.php?id=1231>

INFORMATION NEEDED ON the "FOCUS NEIGHBORHOODS IN THE STRATEGIC PLAN" BY EEC FOR REVIEW.

- 1) Number of single family houses
 - A. owner occupied (for 2 & 3 as well)
 - B. rental (for 2 & 3 as well)
- 2) Number of apartments
- 3) Number of commercial buildings
- 4) Size of each in s.f
- 5) Year built (if available) (to know which building code was in effect)
- 6) (Other building designations readily available? duplex?)
- 7) Electric rate classes (this will help identify the gas heated buildings).
- 8) Electricity use for each building in fiscal year 2016 (or 2017 if available).

EEC will consider this memo on October 24, 2017 and determine if it wishes to make any related recommendations to City Council.