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Livable Centers Benefits

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Mr. Sandeep Aysola 07-06-2021 06:05 PM
Hi, I'm reaching out to see if there are any tool/processes/research available that have looked into...

1. Livable Centers Benefits

0 Recommend



Mr. Sandeep Aysola

Actions

Posted 07-06-2021 06:05 PM

Reply

#ITEPortland2023 Call for Abstracts

Hi,
I'm reaching out to see if there are any tool/processes/research available that have looked into evaluating the benefits of Livable Centers/Communities from a VMT reduction (mode shift) leading to potential Air quality benefits.

Houston-Galveston Area Council (HGAC) has developed a sketch planning tool to evaluate the VMT reduction and mode shift based on the type of development i.e. Main Street, Town Center, Neighborhood Center and Regional, that appears to have some unvalidated input assumptions.

<https://www.h-gac.com/getmedia/e7744245-1a46-46df-8f18-bb37a3398903/livable-centers-benefits-calculator.xls>
<https://www.h-gac.com/getmedia/48314341-92f5-4ed9-80a3-6bbe21dce90a/user-guide-livable-centers-benefits-calculator.pdf>

I'm looking for similar examples of tools or literature out there that have quantified such benefits.

Thank you,
Sandeep

Sandeep Aysola PTP
Senior Associate
The Goodman Corporation
Wallingford CT
saysola@thagoodmancorp.com

2. RE: Livable Centers Benefits

0 Recommend



Kelly Rodgers

Actions

Posted 07-07-2021 12:15 PM

Reply

#ITEPortland2023 Call for Abstracts

Hi -

Susan Handy and colleagues have written white papers on strategies for VMT reduction for the California Air Resources Board: <https://ww2.arb.ca.gov/our-work/programs/sustainable-communities-program/research-effects-transportation-and-land-use>

ITHIM is a planning tool that calculates the health benefits of a mode shift to active travel/ reduction in VMT, accounting for crash risk, exposure to air quality, and increases in physical activity: <http://cal-ithim.org/ithim/>

Please see other resources at thinkstreetsmart.org, including the following pages:
<http://www.thinkstreetsmart.org/vehicle-miles-traveled.html>
<http://www.thinkstreetsmart.org/greenhouse-gas-emissions.html>

--
Kelly Rodgers
Executive Director, [Streetsmart](http://thinkstreetsmart.org)
kelly@thinkstreetsmart.org
503.442.7165
Portland, OR

Please note I am working in Pacific Standard Time.

Original Message

3. RE: Livable Centers Benefits

0 Recommend



Mr. Ronald Milan
PTP, ACP

Actions

Posted 07-07-2021 05:33 PM

Reply

#ITEPortland2023 Call for Abstracts

Hi,

In addition to ARB research noted in Kelly's response, common resources used in California that are supported by substantial evidence include the following.

- <http://www.capcoa.org/wp-content/uploads/downloads/2010/09/CAPCOA-Quantification-Report-6-14-Final.pdf>
- <https://www.epa.gov/smartgrowth/mixed-use-trip-generation-model>

The first reference has just been updated with new research through 2020 and a new version will be out later this summer. The research covers a variety of built environment strategies as well as complementary TDM strategies. We have developed a publicly accessible VMT impact web tool that already incorporates the updated research that is available at <https://vmttool.vta.org/>.

The second reference is original research related to how built environment variables influence vehicle trip generation. This research has been advanced to include the ITE mixed-use trip generation methodology and been deployed in tools such as the City of Los Angeles VMT calculator. The calculator and supporting documentation can be accessed through the following link.
<https://dotd.ca.gov/programs/development-research>

Ronald Milam AICP PTP
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[▶ Original Message](#)

4. RE: Livable Centers Benefits 0 Recommend



Mr. Sandeep Aysola

[Actions](#)

Posted 07-12-2021 09:28 AM

[Reply](#)



Thank you. Your responses were very helpful.

Best wishes,
Sandeep

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