

**Recommendations for updating of the energy portions
of the City of Madison's 2011 Sustainability Plan**

v.16SEP2016

- 1) Reaffirm that the goals of the City of Madison's 2011 Sustainability Plan were intended to be communitywide, with the City "leading by example" with its operations and infrastructure, to inspire all other sectors.
- 2) Reaffirm the City of Madison's 2013 endorsement of the federally funded *Capital Region Sustainable Communities (CRSC) all-sector Climate Action Plan (CAP) framework for the municipalities of Dane County, setting out provisional goals for 2050 or sooner, aiming to:*

 - a) reduce overall energy consumption as much as possible, with conservation/efficiency measures
 - b) provide 100% OR MORE of overall energy from renewable sources*
 - c) reduce climate-disrupting air pollutants and emissions by 100% OR MORE

- 3) Provide \$150,000 FY17 funding from the City to Dane County for the CAP, contingent on:
 - a) matching \$150,000 from county, to fund:
 - 1) RFP for drafting of a 2050 CAP that is based on the CRSC framework, that is harmonized for all the municipalities in the county as well as for the UW-Madison campus, and that utilizes the data from the 2013-16 University of Minnesota baseline inventories report contracted by the county.
 - 2) review of draft CAP by local experts in energy and climate
 - 3) robust countywide public participation process, integrated with *A Greater Madison Vision* scenario planning with UrbanFootprint software platform
 - 4) Fare-Free Transit Feasibility study
 - b) setting out provisional goals for 2030 or sooner, aiming to:
 - 1) reduce overall energy consumption by 50% OR MORE, with conservation/efficiency measures (reaffirming 2011 City of Madison goal)
 - 2) provide 50% OR MORE of overall energy from renewable sources
 - 3) reduce climate-disrupting air pollutants and emissions by 60% OR MORE
 - c) completion of the CAP process in six months (no later than 30 June 2017) with launch of action on or around Earth Day (April 22) 2017

Details

- a) CONSERVATION/EFFICIENCY: all-sectors; all energy sources, including fossil- or bio-gas for heating, etc.
- b) RENEWABLES: including both retail and wholesale sales by utilities; prioritizing distributed wind and solar; avoiding nuclear, polluting large hydropower, and food-competitive bio-fuel
- c) CLIMATE-DISRUPTING POLLUTANTS/EMISSIONS: from 1990 levels per 2008 WI climate action plan (using mass-based metrics for gases, and other appropriate metrics for a non-gaseous pollutants). Also, no new investments in non-renewable/unsustainable energy infrastructure: 1) fossil fueled power; 2) nuclear power; 3) polluting hydropower; or, 4) food competitive bio-fuel. NOTE: 1990 is the benchmark year referenced in the CAP 2050 framework, because it was used in the 2008 WI climate action plan. The 2015 federal Clean Power Plan is benchmarked to 2005; it may make sense to switch to this newer benchmark, during the county CAP process.

* As possible, generate surplus renewable energy.

** As possible, use carbon sinks or other approaches to offset or clean up historic climate-disrupting emissions pollution produced since the beginning of the Industrial Revolution through 1990.

**Jon Becker
POB 3292, Madison, WI 53704
+ USA 608 469.0316 mobile**