



Bid Waiver Form

Short Description of Goods/Services	Modeling to help develop the Dane County Climate Action Plan
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Date	November 9, 2018
Department	Office of Energy and Climate Change
Name	Keith Reopelle
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Phone	608-283-1476
Purchasing Agent	Carolyn Clow

Vendor Name	Sustainable Energy Economics (Evelyn Wright)
Vendor MUNIS #	28024
Requisition #	2531
Requisition Year	2018
Total Cost	\$ 60,000
Vendor Quote Attached	<input checked="" type="checkbox"/> Yes – Quote is required to be attached.

Provide a detailed description of the goods/services intended to be purchased:

The Dane County Office of Energy and Climate Change is convening a Council on Climate Change made up of 38 businesses and organizations for the next six months for the purpose of developing a Climate Action Plan (CAP) for Dane County. The CAP will outline a large number of programs, policies and projects in a variety of areas (e.g. electric generation, energy efficiency, transportation) that will reduce greenhouse gas (GHG) emissions in Dane County. In order to develop a reputable CAP we will need to have analytical modeling done to demonstrate the GHG emission reductions associated with each program, policy and project as well as the cost of these actions.

In order to get a broad diversity of organizations, businesses and governments to support the programs and policies in the final CAP, it will be critical to have strong analytical modeling that demonstrates the carbon emission reductions we can expect from each action as well as the cost and other impacts of the actions that make up the CAP. The final CAP will outline specific goals of GHG reductions by certain years, and strong modeling is critical in order to give Council Member groups faith that the actions recommended in the CAP can achieve the stated GHG reduction goals at a reasonable cost.

Sustainable Energy Economics has developed a proprietary modeling system called the Framework of the Analysis of Climate-Energy-Technology Systems (FACETS) model which is uniquely able to integrate information from different markets and to produce the most accurate results.



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Procurement Exception List	
<input type="checkbox"/>	Emergency Procurement
<input checked="" type="checkbox"/>	Only one vendor possesses the unique and singularly available ability to meet the Department's requirements
<input checked="" type="checkbox"/>	Unique and specific technical qualifications are required
<input type="checkbox"/>	A special adaptation for a special purpose is required
<input checked="" type="checkbox"/>	A unique or opportune buying condition exists

Provide a detailed explanation as to why the competitive bidding (RFB/RFP) process cannot be used. Also provide a detailed justification in relation to the Procurement Exception chosen:

Sustainable Energy Economics with the FACETS model can deliver the highest possible quality modeling. FACETS is an extremely powerful power sector, economic optimization, model, that can be adjusted to include other sectors such as transportation. FACETS can integrate dozens of unconnected policies and projects undertaken at federal, regional, state, and local levels in response to diverse energy, climate, and air quality policy goals. The energy, environmental, and economic impacts of the measures can be assessed in the context of energy market uncertainties, and comprehensive climate policies, as well as allowing high priority actions that are robust to future uncertainties to be identified and explored.

One of the major challenges we face in modeling GHG emission reductions in Dane County is the fact that most of the electric energy consumed in Dane County originates outside of Dane County. Sustainable Energy Economics has been hired by another group—the Midcontinent Power Sector Collaborative (MPSC) (<http://www.betterenergy.org/midcontinent-power-sector-collaborative-white-paper-series>) to model GHG emission reductions resulting from a variety of policy proposals throughout the Midwest. The MPSC is made up of utilities, NGO's and regulators from across the Midcontinent region and is facilitated by the Great Plains Institute (GPI). GPI is paying hundreds of thousands of dollars for the FACETS modeling being performed by Sustainable Energy Economics. Because the Director of Dane County's Office of Energy and Climate Change is part of the MPSC effort, Dane County has the opportunity to “piggy-back” on the modeling being done for the MPSC, which will characterize the electric energy flowing into Dane County (and throughout the Midwest), and receive the benefit of all that modeling at no cost. In this way, for an additional \$60,000, Dane County will receive the benefit of hundreds of thousands of dollars of modeling by Sustainable Energy Economics. This modeling cannot be provided by any other vendor in the nation (or the world).

In addition, those organizations and individuals on the Climate Council who have the most experience in using models to calculate emissions reductions and costs associated with them, namely the electric utilities, are all familiar with the FACETS model and the modelers who developed this particular model. MGE, Alliant Energy and WPPI, are all part of the MPSC and have been involved in the MPSC modeling effort for the past two years. The same individuals from these utilities are involved in the MPSC that represent these utilities on the Dane County Climate Council. Having several individuals on the Climate Council with deep experience with the FACETS model is a huge asset for the Council.



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In addition, the Office of Energy and Climate Change has applied for and has gotten approved two grants from private foundation (one for \$29,500 and one for \$25,000) from two private foundations. These grants are specifically for the modeling (\$40,000 of the \$54,500 would be passed through OECC for the modeling to cover half the cost) and were persuasive based on the synergies described above provided by Sustain Energy Economics and the FACETS model. Both grant proposals were based on the hiring of Sustainable Energy Economics and the use of the FACETS model, receipt of the funds were, and are, dependent on the hiring of Sustainable Energy Economics. One of the foundations also funds the MPSC described above, so the synergy there was greatly appreciated. If the modeling were to go out to bid and a vendor other than Sustainable Energy Economics were chosen, the funding would need to be returned to both foundations. This would mean that the Office of Energy and Climate Change would not have funding in its 2019 budget for this modeling and it would have to wait until 2020.

Bid Waiver Approval (Purchasing Use Only)

Under \$36,000 Controller Approval	Date
\$36,000 or over Personnel & Finance Committee Approval Date	