



**REPORT TO: SUA**

**MEETING DATE: FEBURARY 10, 2020**

<b>Agenda Item:</b>	3a. SUA-20-03
<b>Prior Council Action/Related Items: (Hyperlinks Or PDF)</b>	None
<b>Background / Issue:</b>	<p>Oklahoma State University (OSU) – New Product Development Center developed a downdraft gasifier laboratory prototype. An application for OCAST funding opportunity is being compiled to place a production prototype into service. The City of Stillwater was approached to partner in the grant application.</p> <ul style="list-style-type: none"> <li>• 1:1 match up to \$300,000</li> <li>• Cowboy Technologies offering \$100,000 in cash match</li> <li>• Additional \$200,000 needed for the project</li> </ul>
<b>Proposal/Solution</b>	<p>The City is asked to partner by committing \$200,000 match either in cash or “in-kind”. If awarded, the developed production prototype will need 5,000 lbs. of yard waste, cardboard or paper material a day. The initial discussion is to have the prototype housed on city property.</p> <p>Dr. Robert Taylor will present the downdraft gasifier prototype and the request for partnership. Dr. Taylor presented the idea to the Recycling Task Force who unanimously agreed that the City should pursue this partnership opportunity.</p>
<b>Financial Impact/Funding Source(s):</b>	Cash match of \$200,000 would be requested in the fiscal year 2021 budget. In-kind match would be of equipment, land, materials supply, and/or machinery.
<b>Related Strategic Priority:</b>	<p>#1 Effective Services and Accountable Government: To provide effective services and accountable government for all citizens by practicing fiscal responsibility, transparency and outstanding customer service.</p> <p>#5 Quality of Life: To develop partnerships that create a high quality of life with equal access to services and amenities;</p>

strong and connected neighborhoods; and a healthy economy and business atmosphere that align with community values.

**Recommended Action/Motion:**

Motion to approve partnering with OSU – New Product Development Center and authorize commitment of \$200,000 for a cash match in Fiscal Year 2021 as it pertains to the downdraft gasifier production prototype.

**Prepared By:**

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**Reviewed By:**

Paula J. Dennison, Assistant City Manager

**Submitted By:**

Norman McNickle, City Manager

**Attachment(s):**

Downdraft Gasifier PowerPoint