



PublicService Commission &lt;psc@utah.gov&gt;

## Docket 16-057-15 Comments

1 message

Raenee Bugarske &lt;rlbslc84@gmail.com&gt;

Tue, Nov 29, 2016 at 10:44 PM

To: "psc@utah.gov" &lt;psc@utah.gov&gt;

To whom it may concern,

Please consider the following points when reviewing ratepayer funding contribution via the Questar Thermwise Program to the Salt Lake City Community College Energy Management Program. The dollar amount is small compared to the many benefits of this energy education program:

- SLCC's Energy Management Program serves to educate the public in strategies, systems and policies that advance the efficient use of all forms of energy.
- The relevant and rigorous program content serves Utah in several ways:
  - This workforce education prepares students to be critical consumers of energy as well as to contribute professionally to the energy industry.
  - This coursework prepares students to contribute to the energy sector through applied study of practices, policies, and technology.
  - The Energy Management degree program as well as workforce certificates are not available at other institutions in Utah.
  - This training prepares professionals to participate in the work of ensuring reliable, efficient, and affordable energy to Utah customers.
  - The Energy Industry benefits from an increased pool of energy-literate and qualified applicants.
- The Energy Management Program continues to develop and expand its content and accessibility.
  - The Energy Management Program started as a degree program and has since expanded to include industry certifications for those who are working in the energy industry and need to update their skills.
  - Programming is currently in the process of moving into an online format that will better accommodate working professionals and make the program available to a wider geographical area of Utah.
- Students Served
  - 49 Graduates (+16 students currently enrolled)
  - 127 Total Participants have enrolled in classes for a degree, professional development, or personal interest
  - At minimum, 58 former SLCC Energy Management students are working in Energy Efficiency in Utah

This program helps businesses be more energy efficient, which helps their bottom lines and reduces emissions, both of which are beneficial to all Utahns. I myself am a graduate of the degree program and have gone on to my current position as an Energy Efficiency Project Manager which has helped customers save money via hundreds of energy efficiency projects. A reduction in this program would be detrimental to the energy and business community in Utah. Energy education was also called out in Governor Herbert's Energy Efficiency and Conservation Plan, the first supplement to Utah's 10 Year Energy Plan. Energy, Education, and Jobs are three of his four cornerstones for a

successful Utah. This program serves all three of those cornerstones. Please consider allowing Questar's funding to the SLCC Energy Management Program to remain.

Sincerely,

Raenee L. Bugarske



PublicService Commission &lt;psc@utah.gov&gt;

## Docket 16-057-15 Comments

1 message

Bret Carlson &lt;bret@eripacific.com&gt;

Tue, Nov 29, 2016 at 5:02 PM

To: psc@utah.gov

To Whom it may concern,

I am respectfully submitting these comments regarding the benefits of the Salt Lake Community College Energy Management Program to the average ratepayer within Questar service territory. The program provides applied technical training and real world skills to its graduates for job positions which will be locally based. The benefits of jobs which are related to energy management is that they are a professional service which is locally based, provide a direct benefit to the community through reduced emissions, and are resistant to offshoring.

The relevant and rigorous program content of the Program serves Utah in several ways:

- i. This workforce education prepares students to be critical consumers of energy as well as to contribute professionally to the energy industry.
- ii. This coursework prepares students to contribute to the energy sector through applied study of practices, policies, and technology.
- iii. The Energy Management degree program as well as workforce certificates are not available at other institutions in Utah.
- iv. This training prepares professionals to participate in the work of ensuring reliable, efficient, and affordable energy to Utah customers.
- v. The Energy Industry benefits from an increased pool of energy-literate and qualified applicants.

While the industrial revolution brought manufacturing jobs to the US and Utah, both offshoring and automation has reduced the number of jobs in that industry. Most, if not all, commercial, industrial, institutional, and manufacturing companies evaluate energy costs as part of their business model. However they don't always know the best way to manage the energy costs once they are operating. Therefore, these same companies often look to energy management professionals, such as those trained by the SLCC program, to provide guidance and services to assist in their business remaining both globally competitive, and located in Utah. These graduates have jobs that are becoming part of the energy revolution, which is both resistant to outsourcing and offshoring.

In addition to the tangible jobs for graduates which are a result of the skill learned within the program, the average ratepayer will also realize improvements in air quality through reduced source and site emissions. This is a major concern for most ratepayers. The graduates advance the effective and efficient use of all forms of energy. Whether energy's generation or consumption, actual projects Implemented by former SLCC Energy Management students resulting in quantifiable emissions reduction include:

1. University of Utah
  - a. Combined Heat and Power (Cogeneration) Plant
  - b. Boiler Controls Upgrades
  - c. New 25,000,000 BTU boiler
  - d. 2 new Fast-Acting Boilers (replacing older coal-fed boilers)
  - e. High-Efficiency Water Heater Replacements

- f. Replaced failing steam traps over a period of 2-3 years @ approx. \$40K/year
  - g. Added pipe insulation @ approx. \$25K
  - h. Plans for new Condensing Boilers at University Hospital
2. Salt Lake Community College
- a. Pipe Insulation installed on pipe fittings @ approx. \$40K
  - b. Jordan Campus VAV Box setpoints revised to stop over-cooling and reduce reheat
3. Jordan School District
- a. 46 Boiler Tune-Ups
4. ETC Group
- a. Power Consumption Analysis to increase the efficiency of a Natural Gas plant near Kemmerer, WY

There are currently 58 former SLCC Energy Management students are working in Energy Efficiency in Utah. Programming is currently in the process of moving into an online format that will better accommodate working professionals and make the program available to a wider geographical area of Utah. Any reduction in funding will have a detrimental effect on the Program, and I encourage the funding through Questar be maintained, or increased.

Respectfully,

**Bret Carlson**

Program Manager | Oil & Gas

Energy Resources Integration, LLC

(O) 844-328-2154 | (M) 801-971-9553

Bret.Carlson@ERIpacific.com





## Docket 16-057-15 Comments

1 message

**Matt McCullough** <matt@eripacific.com>

Tue, Nov 29, 2016 at 5:09 PM

To: psc@utah.gov

To Whom it may concern,

I am respectfully submitting these comments regarding the benefits of the Salt Lake Community College Energy Management Program to the average ratepayer within Questar service territory. The program provides applied technical training and real world skills to its graduates for job positions which will be locally based. The benefits of jobs which are related to energy management is that they are a professional service which is locally based, provide a direct benefit to the community through reduced emissions, and are resistant to offshoring.

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There are currently 58 former SLCC Energy Management students are working in Energy Efficiency in Utah. Programming is currently in the process of moving into an online format that will better accommodate working professionals and make the program available to a wider geographical area of Utah. Any reduction in funding will have a detrimental effect on the Program, and I encourage the funding through Questar be maintained, or increased.

Respectfully,

Matthew

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Thank you,

**Matthew McCullough**  
Energy Resources Integration, LLC  
(O) 801-953-1037 | (M) 831-801-6974  
Matt.McCullough@ERIpacific.com





PublicService Commission &lt;psc@utah.gov&gt;

**Docket 16-057-15 Comment**

1 message

**Benjamin House** <ben@eripacific.com>

Tue, Nov 29, 2016 at 5:23 PM

To: psc@utah.gov

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I am respectfully submitting these comments regarding the benefits of the Salt Lake Community College Energy Management Program to the average ratepayer within Questar service territory. The program provides applied technical training and real world skills to its graduates for job positions which will be locally based. The benefits of jobs which are related to energy management is that they are a professional service which is locally based, provide a direct benefit to the community through reduced emissions, and are resistant to offshoring.

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Respectfully,

11/30/2016

State of Utah Mail - Docket 16-057-15 Comment

Ben House, PE, CEM  
(o) 801-953-1037 (m) 530-566-4874  
Energy Resources Integration, LLC





## Docket 16-057-15 Comments

1 message

**Liz House** <liz@eripacific.com>

Tue, Nov 29, 2016 at 7:27 PM

To: psc@utah.gov

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Respectfully,

**Liz House**  
Energy Project Coordinator  
Energy Resources Integration, LLC  
(O) 801-953-1037  
Liz.House@ERIpacific.com

