

# HMEP Grant Application

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**Grant Year:** HMEP Grant Year 2021 **Grant Status:**

**Application Date:** 02/08/2021 14:24:43

**Application Type:** Training

**Applicant Name:** Rapid City Fire Department

**County / Applicant:** Rapid City Fire Department

**Point of Contact:** Trapper Lappe

**Mailing Address:** 10 Main Street

**City:** Rapid City **State:** South Dakota **Zip Code:** 57701

**Phone Number:** 605-394-4180 **Email Address:** trapper.lappe@rcgov.org

**DUNS Number:** 057222119

**Descriptive title of proposed project:** Acquisition of Hazardous Materials Specific Training Tools.

**Describe project and explain why it is needed:**

HazSim has developed a unique training simulation system that allows the user to customize the platform for their specific needs and equipment currently being utilized. This system allows users to train with multi-gas, radiation and WMD platforms. Current training with multi-gas meters only allows the user to verbally fabricate the vast majority of potential readings with the exception of using "live" agents, such as hydrocarbons, ammonia, chlorine, etc. This system would allow responders to train in "realistic" simulations not currently afforded. Being able to train in this manner allows for increased efficiency and safety when responding to actual incidents. These training tools not only have the potential to be utilized for numerous years by local responders but also state wide through task force team training, which occurs on an annual basis.

From the HazSim developer;

"Encourage Critical Thinking: Active participation is a crucial building block for learning retention. Using simulated exercises, students are free to experiment with creative solutions in the absence of negative real-life consequences. Instructors know that students retain more information when they learn by doing."

"Safely Engage Students: No more live agents. No more front-of-the-line meters as props. No more "tap on the shoulder" method. Utilizing the HazSim system to simulate hazardous gas, chemical, and radioactive environments will provide a hands-on, interactive experience guaranteed to increase the value and effectiveness of each exercise."

"Verify Student Understanding: Firefighters and hazmat workers need a secure and controlled environment where they can gain practical knowledge for different scenarios and verify understanding. Luckily, simulation technology allows us to do just this - and what's more, simulations encourage faster learning by giving instant feedback on their actions during exercises."

**The following two questions are for HMEP Training Grant application only:**

**Expected date of training:** Late fall 2021

**Expected number of participants:** 36

**The following question is for HMEP Planning Grant application only:**

**Expected date of project completion:** 12/31/2021

**Grant request amount:** \$ 17,159.98

**Provide a full cost breakdown justifying how the applicant arrived at the request amount:**

Dual HazSim Pro 2.0 System (Two HazSim Pro 2.0 handhelds with one convertible laptop/tablet instructor server (\$14,399.99). HazSim Local Area Network (\$359.99). Four hour on-site implementation of the HazSim system by a certified HazSim Implementation Specialist (\$2,400.00).

**How will the 20% match requirement be met:**

The match will be met through student/participant wages based on a four hour training session with 36 personnel from Stations 4/6 who make up Rapid City's primary hazmat response. Rapid City Fire Department will also cover the cost for the optional LAN training equipment.

**If soft match is used, provide cost breakdown:**

36 students/participants at a wage of \$22.57/hour each for four hours. Total of 144 training hours with a total cost of \$3,250.08. Cost to cover the LAN training equipment is \$359.99. Total match would equal \$3,610.07 which meets/exceeds required match of \$3,432.00.

**ADMIN COMMENTS**

**January Quarterly Report (Submitted )**

Planning Grant Quarterly Report

**Has the commodity flow study/hazmat plan/hazmat exercise been completed?**

**If yes, when was it completed? If no, when do you expect it to be completed?**

**If the project is partially complete, what aspects of the project have already been completed?**

**Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.**

Training Grant Quarterly Report

**Has the training been completed?**

**If yes, when was the training held? If not, when is the training scheduled?**

**Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.**

**April Quarterly Report (Submitted )**

Planning Grant Quarterly Report

**Has the commodity flow study/hazmat plan/hazmat exercise been completed?**

**If yes, when was it completed? If no, when do you expect it to be completed?**

**If the project is partially complete, what aspects of the project have already been completed?**

**Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.**

**[Training Grant Quarterly Report](#)**

**Has the training been completed?**

**If yes, when was the training held? If not, when is the training scheduled?**

**Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.**

**[July Quarterly Report \(Submitted \)](#)**

**[Planning Grant Quarterly Report](#)**

**Has the commodity flow study/hazmat plan/hazmat exercise been completed?**

**If yes, when was it completed? If no, when do you expect it to be completed?**

**If the project is partially complete, what aspects of the project have already been completed?**

**Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.**

**[Training Grant Quarterly Report](#)**

**Has the training been completed?**

**If yes, when was the training held? If not, when is the training scheduled?**

**Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.**

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# HMEP Grant Application

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**Grant Year:** HMEP Grant Year 2021 **Grant Status:**

**Application Date:** 02/08/2021 12:00:57

**Application Type:** Training

**Applicant Name:** Rapid City Fire Department

**County / Applicant:** Rapid City Fire Department

**Point of Contact:** Trapper Lappe

**Mailing Address:** 10 Main Street

**City:** Rapid City **State:** South Dakota **Zip Code:** 57701

**Phone Number:** 605-394-4180 **Email Address:** trapper.lappe@rcgov.org

**DUNS Number:** 057222119

**Descriptive title of proposed project:** Propane Response Course.

## Describe project and explain why it is needed:

The "Propane Response-101 to Advanced Tactics" class consists of 4 hours classroom instruction using on screen presentations, display props and product demonstrations. Topics of discussion include: propane properties, when to and when not to use normal tactics including rolling a tank to change what's venting from it, flaring liquid and vapor, water injection, vehicle orientation, plumbing/piping systems, assortment of tank options/attachment points, valving, weight issues, pressure management, transportation options, pressure gauge verification, liquid volume and temperature control and more. Then using a mobile full flow full pressure training prop students will participate in up to 4 hours of practical evolutions building on what was learned in the classroom by utilizing flaring on an assortment of tanks or cylinders. The students will see first hand the limitations caused by system restrictions that limit flow, the importance of managing product levels and how temperature and pressure information is applied. Flaring liquid and vapor enforces the learning process and also demonstrates the need for additional product management options such as flaring and water injection. This course will provide responders with an increased knowledge and skill set for proper handling of incidents involving propane. Currently, the Rapid City/Pennington County Hazardous Materials Emergency Response Team has limited experience with advanced response techniques involving propane, including flaring and water injection. With propane being a prevalent commodity and potential hazard, in Western South Dakota, this course would be extremely beneficial to the team as well as other departments through out the state. The course is limited to 25 students and is offered through Responder Training Enterprises, LLC based in Shirley, IN. Course will be hosted by Rapid City Fire Department with seating available to other departments.

## The following two questions are for HMEP Training Grant application only:

**Expected date of training:** 04/2022

**Expected number of participants:** 25

## The following question is for HMEP Planning Grant application only:

**Expected date of project completion:** 09/30/2022

**Grant request amount:** \$ 7,300.00

## Provide a full cost breakdown justifying how the applicant arrived at the request amount:

Cost of course is \$6,800 which includes travel and other expenditures for instructor(s). \$500.00 is needed for approximately 200 gallons of propane (approximate cost of \$2.50/gallon), which is required for the practical evolutions.

## How will the 20% match requirement be met:

The 20% match will be met through student/participation wages.

## If soft match is used, provide cost breakdown:

25 students with a wage of \$22.57/hour each for eight hours (\$180.56/student) for a total of \$4,514.00. This would meet/exceed the required 20% match of \$1,460.00.

## ADMIN COMMENTS

### January Quarterly Report (Submitted )

#### Planning Grant Quarterly Report

Has the commodity flow study/hazmat plan/hazmat exercise been completed?

If yes, when was it completed? If no, when do you expect it to be completed?

If the project is partially complete, what aspects of the project have already been completed?

Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.

#### Training Grant Quarterly Report

Has the training been completed?

If yes, when was the training held? If not, when is the training scheduled?

Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.

### April Quarterly Report (Submitted )

#### Planning Grant Quarterly Report

Has the commodity flow study/hazmat plan/hazmat exercise been completed?

If yes, when was it completed? If no, when do you expect it to be completed?

If the project is partially complete, what aspects of the project have already been completed?

Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.

#### Training Grant Quarterly Report

Has the training been completed?

If yes, when was the training held? If not, when is the training scheduled?

Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.

**July Quarterly Report (Submitted )**

Planning Grant Quarterly Report

Has the commodity flow study/hazmat plan/hazmat exercise been completed?

If yes, when was it completed? If no, when do you expect it to be completed?

If the project is partially complete, what aspects of the project have already been completed?

Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.

Training Grant Quarterly Report

Has the training been completed?

If yes, when was the training held? If not, when is the training scheduled?

Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.

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# HMEP Grant Application

[Print PDF](#)

**Grant Year:** HMEP Grant Year 2021 **Grant Status:**

**Application Date:** 02/08/2021 11:31:41

**Application Type:** Training

**Applicant Name:** Rapid City Fire Department

**County / Applicant:** Rapid City Fire Department

**Point of Contact:** Trapper Lappe

**Mailing Address:** 10 Main Street

**City:** Rapid City **State:** South Dakota **Zip Code:** 57701

**Phone Number:** 605-394-4180 **Email Address:** trapper.lappe@rcgov.org

**DUNS Number:** 057222119

**Descriptive title of proposed project:** Hazardous Materials Transportation Specialist Training at TEEX.

## Describe project and explain why it is needed:

The TEEX Transportation Specialist Course is designed to prepare the technical responder for offensive measures when dealing with a wide variety of hazardous materials found during highway, rail and intermodal transportation incidents. This course was designed at a Specialist level and is held on site at the TEEX training facility in College Station, TX. Upon completion, three Specialist certifications are awarded, through Pro-Board, including Cargo Tank, Intermodal Tank and Tank Car. Rapid City/Pennington County Hazardous Materials Emergency Response Team is in continued need of qualified responders at a Specialist level due to ongoing retirements, promotions, resignations and other attrition. This level of training and certification will ensure that the team will continue to provide a professional, safe and efficient response to various transportation incidents within the region, as well as statewide.

## The following two questions are for HMEP Training Grant application only:

**Expected date of training:** 11/01-05/2021  
**Expected number of participants:** 2

## The following question is for HMEP Planning Grant application only:

**Expected date of project completion:** 09/30/2022

**Grant request amount:** \$ \$9,270.00

## Provide a full cost breakdown justifying how the applicant arrived at the request amount:

Per student cost: Course tuition is \$2,285.00. Travel is \$1,000.00 (flight and rental car). Lodging is \$1,000.00. Meals are \$350.00. Cost per student is \$4,635.00 with a total cost of \$9,270.00.

## How will the 20% match requirement be met:

The 20% match will be met through student/participation wages.

## If soft match is used, provide cost breakdown:

Two students with a wage of \$22.57/hour each. 80 hours of classroom time with 24 hours of travel time for a total of \$2,347.28. This total would meet/exceed the required 20% soft match of \$1,854.00.

## ADMIN COMMENTS

### January Quarterly Report (Submitted )

Planning Grant Quarterly Report

Has the commodity flow study/hazmat plan/hazmat exercise been completed?

If yes, when was it completed? If no, when do you expect it to be completed?

If the project is partially complete, what aspects of the project have already been completed?

Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.

Training Grant Quarterly Report

Has the training been completed?

If yes, when was the training held? If not, when is the training scheduled?

Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.

### April Quarterly Report (Submitted )

Planning Grant Quarterly Report

Has the commodity flow study/hazmat plan/hazmat exercise been completed?

If yes, when was it completed? If no, when do you expect it to be completed?

If the project is partially complete, what aspects of the project have already been completed?

Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.

Training Grant Quarterly Report

Has the training been completed?

If yes, when was the training held? If not, when is the training scheduled?

Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.

### July Quarterly Report (Submitted )

Planning Grant Quarterly Report

Has the commodity flow study/hazmat plan/hazmat exercise been completed?

If yes, when was it completed? If no, when do you expect it to be completed?

**If the project is partially complete, what aspects of the project have already been completed?**

**Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.**

**Training Grant Quarterly Report**

**Has the training been completed?**

**If yes, when was the training held? If not, when is the training scheduled?**

**Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.**

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# HMEP Grant Application

[Print PDF](#)

**Grant Year:** HMEP Grant Year 2021 **Grant Status:**

**Application Date:** 02/08/2021 10:47:26

**Application Type:** Training

**Applicant Name:** Rapid City Fire Department

**County / Applicant:** Rapid City Fire Department

**Point of Contact:** Trapper Lappe

**Mailing Address:** 10 Main Street

**City:** Rapid City **State:** South Dakota **Zip Code:** 57701

**Phone Number:** 605-394-4180 **Email Address:** trapper.lappe@rcgov.org

**DUNS Number:** 057222119

**Descriptive title of proposed project:** Attendance of national hazardous materials conference(s).

**Describe project and explain why it is needed:**

The training offered at national hazardous materials conferences, such as the CBRNe Convergence and the IAFC International Hazardous Materials Response Teams Conference, provide immediate, practical and valuable information designed to ensure the attendant successfully meet the demands of hazmat response in today's challenging environment. With the Rapid City/Pennington County Hazardous Materials Regional Response Team located within a predominantly rural environment it is imperative that team members have access to national conferences/training in order to maintain a high level of expertise within their professional field. The training, knowledge and networking provided by attending a national conference assists team members in ensuring that incident response and technologies are maintained at industry recognized standards.

**The following two questions are for HMEP Training Grant application only:**

**Expected date of training:** 06/08-11/2022  
**Expected number of participants:** 4

**The following question is for HMEP Planning Grant application only:**

**Expected date of project completion:** 09/30/2022

**Grant request amount:** \$ 11,080.00

**Provide a full cost breakdown justifying how the applicant arrived at the request amount:**

Per attendant cost: Registration is \$500.00. Travel is \$1,000.00 (flight and rental car). Lodging is \$1,000.00. Meals are \$270.00. Cost per attendant would be \$2,770.00 with a total cost of \$11,080.00.

**How will the 20% match requirement be met:**

20% match will be met through student/participation wages.

**If soft match is used, provide cost breakdown:**

Four attendants at a wage of \$22.57/hour each. 96 hours of conference attendance time (six hours/day for each attendant) with 48 hours of travel time (12 hours for each attendant) would total 144 hours. Total wages would equal \$3,250.08. This total would meet/exceed the required 20% soft match of \$2,216.00.

**ADMIN COMMENTS**

**January Quarterly Report (Submitted )**

Planning Grant Quarterly Report

**Has the commodity flow study/hazmat plan/hazmat exercise been completed?**

**If yes, when was it completed? If no, when do you expect it to be completed?**

**If the project is partially complete, what aspects of the project have already been completed?**

**Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.**

Training Grant Quarterly Report

**Has the training been completed?**

**If yes, when was the training held? If not, when is the training scheduled?**

**Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.**

**April Quarterly Report (Submitted )**

Planning Grant Quarterly Report

**Has the commodity flow study/hazmat plan/hazmat exercise been completed?**

**If yes, when was it completed? If no, when do you expect it to be completed?**

**If the project is partially complete, what aspects of the project have already been completed?**

**Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.**

Training Grant Quarterly Report

**Has the training been completed?**

**If yes, when was the training held? If not, when is the training scheduled?**

**Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.**

**July Quarterly Report (Submitted )**

Planning Grant Quarterly Report

**Has the commodity flow study/hazmat plan/hazmat exercise been completed?**

**If yes, when was it completed? If no, when do you expect it to be completed?**

**If the project is partially complete, what aspects of the project have already been completed?**

**Do you anticipate any delays in completing your project? The period of performance for this grant ends September 30.**

**Training Grant Quarterly Report**

**Has the training been completed?**

**If yes, when was the training held? If not, when is the training scheduled?**

**Do you anticipate any delays in completing the training? The period of performance for this grant ends September 30.**

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