

JAMES METZEN MIGHTY DUCKS  
ICE ARENA GRANT PROGRAM  
2016 APPLICATION

CITY OF DULUTH, MN  
ESSENTIA HEALTH DULUTH HERITAGE SPORTS CENTER

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**JAMES METZEN MIGHTY DUCKS  
GRANT APPLICATION**

Type of Application:  
Indoor Air Quality Improvement

**LOCAL GOVERNMENT UNIT (LGU)**  
City of Duluth, Minnesota

**LGU APPLICATION CONTACT (NAME, TITLE, ADDRESS, EMAIL, TELEPHONE)**  
Lindsay Dean, Parks and Recreation Manager, City of Duluth  
411 West 1<sup>st</sup> Street, Duluth, Minnesota 55802  
[ldean@duluthmn.gov](mailto:ldean@duluthmn.gov)  
218-730-4309

**PROJECT NAME AND PHYSICAL ADDRESS**  
Essentia Health Duluth Heritage Sports Center (EDHC)  
120 South 30<sup>th</sup> Avenue West, Duluth, Minnesota 55806

**PRIMARY CONTACT**  
Jerry DeMeo, President /CE) EDHC  
[jerry@essentiaduluthheritagecenter.com](mailto:jerry@essentiaduluthheritagecenter.com)  
218-464-1711 Ext 102

**MINNESOTA TAX ID NUMBER CITY OF DULUTH**  
8021696

**FEDERAL EMPLOYEE ID NUMBER**  
41-6005105

**MINNESOTA HOUSE OF REPRESENTATIVES DISTRICT NUMBER OF FACILITY**  
Minnesota House District 07B

**EXECUTION:**

IN WITNESS THEREOF, the applicant has caused this application to be executed on the  
\_\_\_\_ day of \_\_\_\_\_, 2016

By: Lindsay Dean

Title: Parks and Recreation Manager  
City of Duluth

## **RESOLUTION OF CITY OF DULUTH**

RESOLUTION AUTHORIZING APPLICATION TO AND, IF OFFERED, ACCEPTANCE OF A \$48,269 INDOOR AIR QUALITY GRANT FOR THE ESSENTIA HEALTH DULUTH HERITAGE CENTER.

WHEREAS, the Minnesota Amateur Sports Commission (MASC), via the State General Fund, provides for general funds to assist political subdivisions of the State of Minnesota for the fulfillment of the purpose and goals of the James Metzen Mighty Ducks Grant Program, and

WHEREAS, the Essentia Health Duluth Heritage Center desires to complete its project named Indoor Air Quality Improvements at Essentia Health Duluth Heritage Center located at 120 South 30<sup>th</sup> Avenue West, Duluth, Minnesota, 55806.

RESOLVED, that the city of Duluth act as a legal sponsor for the project contained in the James Metzen Mighty Ducks Grant application, attached hereto as exhibit A, to be submitted on or before October 3, 2016, and that the city of Duluth is hereby authorized to apply to the MASC for funding of this project.

FURTHER RESOLVED, that the total cost of completing the project shall be \$98,538 and Essentia Health Duluth Heritage Center is requesting \$48,269 from the James Metzen Mighty Ducks Grant Program and will assume responsibility for a matching contribution of \$48,270.

FURTHER RESOLVED, Essentia Health Duluth Heritage Center agrees to own, assume 100 percent operational costs for the facility or equipment, and will operate the facility or equipment for its intended purpose for the functional life of the facility or equipment which is estimated to be 20 years.

FURTHER RESOLVED, that if the city of Duluth is awarded aforesaid grant, the city of Duluth agrees to accept the grant award and proper city officials are authorized to enter into a grant agreement with the MASC substantially in the form of the sample agreement attached hereto as exhibit B, agreeing to the project with grant funds to be deposited in fund 205-130-1219-4270 (Parks Fund, Community Resources, Parks Operating, Miscellaneous Grants).

FURTHER RESOLVED, that Lindsay Dean, manager of parks and recreation, is hereby authorized to execute such agreements as are necessary to implement the project on behalf of the application.

STATEMENT OF PURPOSE: This resolution authorizes the application to and, if offered, acceptance by the proper city officials of a grant for \$48,269 from the Minnesota Amateur Sports Commission James Metzen Mighty Ducks Grant Program for the purpose of replacing a current gasoline ice edger with an electronic edger, installing an automated continuous monitoring system, and installing a new air make-up system to improve air quality at the Essentia Health Duluth Heritage Sports Center. No City of Duluth dollars will be expended to plan or implement improvements.

The Essentia Health Duluth Heritage Sports Center is a two arena community facility used

for all four seasons, developed in partnership with the city of Duluth, Independent School District 709, Duluth Amateur Hockey Association and the Northland Chapter of the Boys and Girls Club. The arenas are equipped with seasonal ice and artificial turf during late spring through early fall. A number of youth organizations, sporting teams and community events utilize the facility.

### **CERTIFICATION**

I hereby certify that the foregoing resolution is a true and correct copy of the resolution presented to and adopted by the Duluth City Council at a duly authorized meeting thereof held on the 26 day of September, 2016, as shown by the minutes of said meeting in my possession.

### **IMPROVING INDOOR AIR QUALITY**

The Essentia Health Duluth Heritage Sports Center (EDHC) was completed in 2008 as a community wide effort to replace an indoor ice arena destroyed by fire. The effort was led by the EDHC, a non-profit 501c3 corporation in partnership with the City of Duluth, Independent School District 709, Duluth Amateur Hockey Association and the Northland Chapter of the Boys and Girls Club. This 100,000 sq. ft. two arena facility is a multi-purpose Center that receives no public operating support, taxes or levies of any kind including from the hotel/motel-food and beverage tax. Seventy five percent of the \$20,000,000 construction cost was funded by private individuals and organizations. The EDHC, since its origins has been recognized by the State of Minnesota as its recipient of the 2008 Economic Development Award and also in 2014 as the Best Example of the Spirit of Hockey in Minnesota by "Let's Play Hockey" magazine.

### **MASC GOALS NARRATIVE:**

1. The EDHC is a two arena community facility for all four season use. It was developed as a partnership among the City of Duluth, Independent School District 709, Duluth Amateur Hockey Association and the Northland Chapter of the Boys and Girls Club. The EDHC is a private non-profit 501c3 Corporation which owns and operates the Center with long term user agreements with the aforementioned entities. It also provides significant opportunities for other sporting and community groups to use the EDHC facilities.
2. The EDHC includes Sill Arena, a 12 month permanent ice arena, with seating for 1,200; a multi-purpose Seitz Arena with seasonal ice and artificial turf during late Spring through early Fall for youth camps, community events and non-ice sporting

groups. The Boys and Girls Club operates a Chapter in their own 12,000 square foot club space and the Center's infrastructure includes 8 youth and four high school locker rooms for men and women teams.

3. The women's high school team, the Northern Stars, has its home at the EDHC. The women's youth leagues, the Ice Breakers, also use the EDHC for practices, games and tournaments. In addition, the adult women's team, Northland Thunder and the St. Scholastic women's club team use the EDHC.
4. The EDHC provides rent free space to a large number of community non-profit and public organizations for their fundraising and promotional events.

#### **LOCAL FINANCIAL COMMITMENT:**

The local financial commitment estimated at \$48, 270 will be provided in cash from the Duluth Heritage Sports Center Foundation prior to engaging in the bidding process for the project.

#### **DESCRIPTION OF THE PROJECT:**

The proposed project has three main components to improve air quality at the EDHC.

- a. Replace the current gasoline ice edger with an electronic edger.
- b. Install automated Continuous Monitoring System in Sill and Seitz arenas.
- c. Eliminate air quality deficiencies through purchase and installation of a new air make-up system to substantially reduce warm, moist air entering into the building and locker room environment.

The Continuous Monitoring System will provide 24/7 automated air monitoring vs. three manual monitoring episodes per week. This sensor system is more accurate and efficient by continually monitoring combustible gases. User error is eliminated and consistent testing locations are assured. The test results will be inter connected to our installed alarm and computer systems for instant evaluation and remediation actions for any problem. We anticipate a 90% improvement in monitoring accuracy due to continuous as opposed to 3 times per week testing. Remediation will be less expensive by removing guesswork as to how and how much air improvement intervention is necessary.

The new Air Makeup System to be added to the Center will complement and expand the capability of the existing system to provide drier and cooler air from the outside environment. This will provide some monetary savings on utility expense estimated at 5% annually, and substantially reduce contaminated and mold precursors in the locker room and building environment. Since the system is new, and an addition, it is a 100% improvement in air quality.

## PROJECT BUDGET

The following budget is the result of vendor and engineer estimates of the three project initiatives:

1. PURCHASE ELECTRONIC EDGING EQUIPMENT	\$7,524
2. INSTALL AUTOMATED CONTINUOUS MONITORING SYSTEM	\$9,275
3. ELIMINATE DEFICIENCIES IN AIR MAKE-UP SYSTEM	\$72,740
4. CONTINGENCY	\$7,000
TOTAL PROJECT	\$96,539
PROJECTED GRANT AMOUNT	\$48,269
LOCAL SHARE OF PROJECT COST	\$48,270

## OPERATING BUDGET

It is very difficult to project accurately the amount of impact the project would have on operational expense. We do expect that by adding the air makeup system for the 12 locker room environment will save some electrical expense due to the drier and cooler air brought into the building environment. By installing the automated air quality monitoring, we should see better utility management of remediation efforts through time. The electronic ice edger will provide minimal operating savings but a large improvement in air quality management.

## EVALUATION CRITERIA

1. The project will replace non-electric edging equipment with an electronic powered unit.
2. Indoor air quality will substantially improve through the continuous monitoring equipment project. More accurate measurement, up to 90%, will allow more accurate and improved remediation efforts to problems should they occur. This will mean faster recovery and reduced expense in the response.  
The installation of a new air-makeup system will eliminate contaminated, warm, humid air from the outside into the building. Air quality will be improved up to 100% since this is a new system that precools and dries the air prior to entry. The whole building, and especially the locker room environment, will benefit from higher quality air and reduced utility expense to dry and cool the air once it is in the facility.
3. The ratio of matching funds is projected at a 1 to 1 ratio as the local share of project cost will be the responsibility of the non-profit owner and operator of the facility (EDHC) and not the City of Duluth.