

**DIVISION OF PUBLIC HEALTH  
DPH CONTRACT 27453  
AMENDMENT #9**

The Department of Health Services, on behalf of the Division of Public Health and Kewaunee County Health Department agree to amend their original agreement for the BRACE program (Profile 150500) as follows:

REVISION: SECTION 5. SERVICES

Additional projects to be completed as detailed in attached Exhibit(s).

Adjustment will be made to the Community Aids Reporting System (CARS) based on the information in the table below.

| Agency # | Agency Type | Profile # | Current Contract Level | Contract Change Amount | New Contract Level | Funding Period      |
|----------|-------------|-----------|------------------------|------------------------|--------------------|---------------------|
| 31       | 660         | 150500    | \$6,500                | \$4,000                | \$10,500           | 9/30/2015-9/29/2016 |

All other terms and conditions of the original agreement remain unchanged.



GRANTOR's Authorized Representative  
Chuck J. Warzecha  
Administrator / Deputy Administrator, Division of Public Health  
Department of Health Services

10/17/16

Date

**BRACE**  
Kewaunee County  
Proposal/Budget for Additional Funds

**Project Overview:**

As a recipient of the Building Resilience Against Climate Change Effects (BRACE) program grant, the Kewaunee County Public Health Department strives to achieve the State of Wisconsin's vision to ensure Kewaunee County and its residents are prepared to handle weather and climate events to minimize negative health impacts. After gathering relevant data related to the climate and health effects in Kewaunee County, a community engagement meeting was held to receive feedback and input from local partners and identify health outcomes to focus on over the upcoming year. We have partnered with Emergency Management, the Aging and Disability Resource Center of the Lakeshore and Human Services to focus on the county's most vulnerable populations: the aging population, the mental health population, those with chronic disease and children. The health outcomes identified are listed below:

**Health Outcomes:**

1. Precipitation Changes/ Water Quality
  - a. Reduce stress and mental health impacts
  - b. Reduce flood/precipitation related food and waterborne illnesses
  - c. Decrease health effects from algal blooms
  - d. Ensure safety of recreational users of lakes and beaches
  - e. Ensure safe drinking water for all community members
  
2. Winter Weather Changes
  - a. Prevent winter weather related death, injury, and traffic accidents
  - b. Prepare for winter weather related power outages that can affect chronically ill patients on medical devices
  - c. Decrease occurrence of mental health concerns and mood changes related to season and climate
  
3. Heat Extremes
  - a. Prevent heat related deaths
  - b. Prevent heat related respiratory distress/allergic reactions

**Action Steps:**

**Health Outcome 1: Water Quality and Precipitation**

Ensure safe drinking water and recreational water usage for all community members. Prevent injury and illness related to algal blooms, vector-borne disease, food and waterborne disease, contaminated private wells, and flooding.

Focus Areas:

- algal blooms
- private well safety
- food and water borne illness
- vector-borne disease
  - West Nile Virus
  - Lyme Disease

**Action Step 1:** Educate community members on beach safety and the potential health effects of algal blooms. Use social media, website, newsletter, reading material, signage at local beaches and public education during warmer months of the year. Distribute written materials to clinics, campgrounds, marinas, recreation facilities and the Chamber of Commerce.

**Estimated completion date: May-August 2016, signage done by June 1, 2016**

**Action Step 2:** Continue to act as a resource to private well owners in the community by offering well water testing kits, education through website, social media and reading materials regarding when to test and the interpretation of test results. Focus education distribution on mental health patients and elderly population.

**Estimated completion date: Ongoing**

**Action Step 3:** Continue to utilize WEDSS for enteric disease surveillance and educate patients on food-borne and waterborne illness, modes of transmissions and how to reduce risk of contraction. Plot enteric disease occurrences on county map to identify potential sources of contamination.

**Estimated completion date: Ongoing**

**Action Step 4:** Educate community members and providers on the threat of vector-borne disease, including modes of transmission, prevention methods, and high risk areas. Use social media, website, newsletter, reading material, signage at local trails and parks, and public education during early spring to late fall. Distribute written materials to clinics, campgrounds, marinas, recreation facilities and the Chamber of Commerce. Continue vector-borne disease surveillance on WEDSS.

**Estimated completion date: May-September 2016, signage done by June 1, 2016**

## **Health Outcome 2: Winter Weather**

Prevent winter weather related death, injury and traffic accidents including mental health issues related to seasonal climate change.

### **Focus Areas:**

- winter travel safety
- hypothermia/frost bite
- emergency preparedness
- mental health
- elderly and chronically ill patients
- children

**Action Step 1:** Initiate public campaign with County Emergency Manager to distribute winter weather preparedness information related to safety, travel, emergency supply kits, hypothermia, and frost bite with special focus on at risk populations: children, elderly, mental health population, chronically ill, and those using medical devices. Distribute education through social media, website, newsletter, and reading materials

**Estimated completion date: Ongoing, emergency/travel kits purchased by September 2016**

**Action Step 2:** Work with Behavioral Health to educate community members on Seasonal Affect Disorder and seasonal mood changes with special focus on patients already receiving mental health services. Consult with behavioral health staff to determine ways to increase awareness of the causes and triggers of a mental health crisis.

**Estimated completion date: Ongoing**

**Action Step 3:** Work with the ADRC with special focus on at risk populations: elderly, chronically ill, and those using medical devices. Distribute education through social media, website, newsletter, reading materials, Senior Fair and Senior Scene. Cover winter safety tips such as fall prevention, travel safety and hypothermia.

**Estimated completion date: Emergency/travel kits purchased by September 2016**

**Action Step 4:** Increase awareness of Heating Shelters available in the county. Work with the Emergency Preparedness Coordinator and Emergency Manager to distribute this information. Ensure Heating Shelter policies and MOUs are up to date.

**Estimated completion date: Ongoing, MOUs completed by May 1, 2016**

### **Health Outcome 3: Heat**

Prevent heat related injury, illness and death including heat related respiratory distress and allergies.

#### Focus Areas:

- sun safety, skin cancer prevention
- hyperthermia
- vector-borne disease
- psychotropic medication side effects
- mental health population
- elderly and chronically ill
- children

**Action Step 1:** Initiate public campaign with County Emergency Manager to distribute summer weather preparedness information related to beach safety, skin cancer, hyperthermia, vector-borne illness, seasonal allergies with special focus on at risk populations: children, elderly, mental health population, and chronically ill (especially those with lung disorders). Distribute education through social media, website, newsletter, and reading materials. Include sample sun screen in campaign with sun protection/SPF education.

**Estimated completion date: samples and handouts ordered/ready for distribution May 1, 2016**

**Action Step 2:** Work with the ADRC with special focus on at risk populations: elderly, chronically ill, and those using medical devices. Distribute education through social media, website, newsletter, reading materials, Senior Fair and Senior Scene. Cover heat safety tip, ways to stay safe in the summer including sun safety and skin cancer prevention.

**Estimated completion date: Ongoing**

**Action Step 3:** Work with Behavioral Health to educate community members on possible psychotropic medication side effects that may be related to extreme heat. Educate mental health population on ways to stay safe in extreme heat. Consult with behavioral health staff to determine ways to increase awareness of the causes and triggers of a mental health crisis.

**Estimated completion date: Ongoing**

**Action Step 4:** Increase awareness of Cooling Shelters available in the county. Work with the Emergency Preparedness Coordinator and Emergency Manager to distribute this information. Ensure Heating Shelter policies and MOUs are up to date.

**Estimated completion date: MOUs completed May 1, 2016**

### **Originally Proposed Budget and Staffing for Grant Funding:**

Staff: Cynthia Farrell, BSN, RN  
Public Health Nurse

Cynthia is a full time public health nurse employed with Kewaunee County Public Health Department. She is our grant nurse and does work a portion of all grants held by our agency. If awarded the WI BRACE Grant, Cynthia would be expected to work .08FTE toward this grant effort. She will be considered our grant coordinator for this project and will lead community-based efforts to initiate and enhance local response to extreme weather and climate events.

Cynthia is a recent graduate of Bellin College of Nursing who did her public health clinical within our agency. She has a very strong draw to community health. She has a previous degree in Public Administration with a minor in

Environmental Policy. She displays a true passion for working in environmental health and brings with her a solid background in understanding environmental policy and its impact on the community.

- Public Health Nurse Wage: \$4005.00
- Benefits: \$1380.00
- Travel: \$500.00
- Supplies: \$615.00
- **Total: \$6500.00**

**Proposal for Additional Funding:**

**\$1000.00 Signage**

- Professionally made signage for the Crescent Beach and Kewaunee Beach regarding health effects of algal blooms and safe swimming
- Professionally made signage for the major trail systems in Kewaunee County with information on vector-borne diseases

**\$1000.00 Printing Cost/Educational Materials and Samples**

- Professionally made educational materials for distribution regarding vector-borne disease, safe swimming/algal blooms, well safety following significant weather events
- Winter weather/emergency travel kits to distribute to WIC, PNCC, behavioral health and ADRC clients
- Travel size sunscreen and insect repellent as part of sun safety and vectorborne disease campaign

**\$1000.00 Advertising**

- Outreach and education related to our action plan through radio, television and newspaper

**\$500.00 Training**

- Public Health and Emergency Management table top drills/exercises related to significant weather events- extreme cold, ice storm, and flooding
- Trainings within the State related to BRACE objectives and Action Steps.

**\$2000.00 Salary and Benefits**

- 56 hours of additional staff time devoted to BRACE action plan:
  - Distribution of education materials at Rural Safety Day, Kewaunee County Fair, Senior Health Fair
  - Work with Parks and Recreation Department to identify educational opportunities for families and children

**Total: \$5,500**

**Evaluation:**

Grant goals and objectives achieved will be detailed in the BRACE Program Building Local Capacity to Address the Public Health Impacts of Climate and Extreme Weather Final Report Outline. Many of our objectives and partnerships will be ongoing or implemented into already existing public health and emergency management policies. Winter weather education campaign will commence after the grant year ends, but supplies will be anticipated and accounted for in this budget. All other campaigns will commence before the grant year ends.

