1. Introductions

2. APWA Polo Shirt Discussion – Wayne
   a. Style, Type
   b. Fall Conference

3. Budget Review and Recommendation (July 1, 2019 to June 30, 2020)
   a. Recommendations due end of April
      i. Inside our Committee
      ii. Outside our Committee
      iii. Civil Engineering Day – $2,500
      iv. Raise Our Grade Minnesota website hosting fee -- $2,388

4. Success Beyond the Classroom Champion Designation and Commitments
   a. Asphalt Cookies
   b. Normandale: May 17, 2019
   c. Century: May 22 and 23, 2019

5. State Fair

6. Civil Engineering Day Post Mortem

7. New Kit Ideas

8. Committee Goals
   a. Advocate for public works safety
   b. Enable a viable workforce
   c. Facilitate public advocacy/funding

9. Internships to Promote Public Works

10. Committee Liaisons
    a. Committee and/or Initiative Updates
b. Government Affairs Committee – Bob Moberg  
c. Communications – Cara Geheren  
d. Conference Planning – April Crockett  
e. Diversity - Kevin Kielb & Cara Geheren  
f. Education & Training – Bob Moberg  
g. Environment – Chadd Larson  
h. History – Wayne Houle  
i. Mn2050 - April Crockett & Russ Matthys  
j. Membership – Jennifer Olejar  
k. Outstate – Kevin Kielb

11. Adjourn
PUBLIC AWARENESS COMMITTEE – Minutes
February 22, 2019
Fuddruckers (NE 494 & France)
11:00 am - 12:30 pm

In attendance:

<table>
<thead>
<tr>
<th>Chuck Schwartz</th>
<th>Cara Geheren</th>
<th>Wayne Houle</th>
<th>Chris Sagsveen</th>
<th>April Crockett</th>
<th>Chadd Larson</th>
<th>Kevin Kielb</th>
<th>Ross Bintner</th>
<th>Beverly Farraher</th>
<th>Jeannine Briol</th>
<th>Lee Mann</th>
<th>Christina Orlowsky</th>
<th>Bob Moberg</th>
<th>Jesse Struve</th>
<th>Russ Matthys</th>
<th>John Rodeberg</th>
<th>Lane Christianson</th>
<th>Jennifer Olejar</th>
<th>Bill Bowman</th>
</tr>
</thead>
</table>

Minutes taken by: Charles D. Schwartz, PE

1. Introductions

2. State Fair
   a. Application due in April (Kevin to confirm)
   b. PAC to request funds for two Enviroscapes kits
      i. Watershed/Nonpoint Source Model
      ii. Drinking Water and Wastewater Treatment Model
      iii. Total Cost for Both: $2,796.00
   c. Use Enviroscapes at Fair
   d. Discussed STEM activity information emailed previously from Russ
   e. PAC to request dropdown on APWA Website that will include information on available kits
      i. Kits in hand, instructions, where located, etc.
      ii. DIY kit information also listed on website

3. Science Rocks, Fest, and Creativity Festival Post Mortem
   a. Discussed revising/enhancing activity outlines
   b. Ross to edit Interchange outline

4. Work Zone Safety Information
   a. Wednesday of the Fall Conference will include work zone safety
   b. PAC role/involvement TBD

5. Draft STEM Calendar
   a. Chuck to distribute draft calendar to PAC
   b. Discuss at future meeting

6. STEMlink – March 14
   a. Mark Statz, Cristina Mlejenik
   b. Chuck to send out another volunteer request to PAC to see if one additional person can be found for the Dunwoody event.
7. Civil Engineering Day – March 30, 2019  
   a. Check-in Desk Volunteers  
      i. Chuck, Ross, Wayne and one other to work Check-in  
   b. Booth Volunteers  
      i. Kit TBD  
      ii. Chuck to verify if water (for Enviroscape) will be allowed  
      iii. Chuck to send out volunteer request to PAC  
      iv. Sponsorship provides 25 tickets available for volunteers  
      v. Polo shirts with APWA Logo desired  
          1. Wayne to discuss with Sue Mason on previous order  

8. Robbinsdale 5th Grade College and Career Fair – Not Discussed  
   a. Assistance requested  
   b. Chuck to send out volunteer request to PAC  

9. New Kit Ideas – Discussed under State Fair agenda items.  

10. Committee Goals – Not Discussed  
   a. Advocate for public works safety  
   b. Enable a viable workforce  
   c. Facilitate public advocacy/funding  

11. Internships to Promote Public Works – Not Discussed  

12. Committee Liaisons – Not Discussed  
   a. Committee and/or Initiative Updates  
   b. Government Affairs Committee – Bob Moberg  
   c. Communications – Cara Geheren  
   d. Conference Planning – April Crockett  
   e. Diversity - Kevin Kielb & Cara Geheren  
   f. Education & Training – Bob Moberg  
   g. Environment – Chadd Larson  
   h. History – Wayne Houle  
   i. Mn2050 - April Crockett & Russ Matthys  
   j. Membership – Jennifer Olejar  
   k. Outstate – Kevin Kielb  

13. Adjourn
ASPHALT COOKIES

INTRODUCTION

Everyone loves COOKIES! When you make these delicious chocolate no-bake cookies you also will learn how asphalt is made and used in paving roads.

When asphalt is heated it changes from a solid to a sticky liquid. Small rocks are mixed into the asphalt. As the mixture cools the asphalt hardens. This asphalt and rock mixture is much stronger than the original solid asphalt and can be used for paving roads.

Like the asphalt, the chocolate you use in this recipe becomes a liquid when heated. As you mix other tasty ingredients into your "chocolate asphalt" you'll observe the cookies harden and become stronger as they cool.

OBJECTIVES

● Students are introduced to basic engineering principles, road construction and material science through this engaging activity.
● Students model asphalt pavement production, a specialty in civil engineering, by making no-bake cookies using cocoa, oats, walnuts, and coconut.
● Students learn how material properties and strength can be affected by temperature and mixing materials.

MATERIALS REQUIRED

● Cookie Ingredients for 8 Students (check for allergies)
  o 1/3 Cup Cocoa Powder or Carob
  o 1/2 Cup Milk
  o 1/4 Pound Butter (1 Stick = 1/4 Pound)
  o 2 Cups Sugar
  o 8 Tablespoons Chopped Walnuts In A Plastic Bag
  o 8 Tablespoons Flaked Or Shredded Coconut In A Plastic Bag
  o 1 Cup Old Fashion Oats in A Plastic Bag
  o 1 Cup Quick Cooking Oats in A Plastic Bag

● Supplies for the class:
  o Medium (2 Quart) Pot
  o Crock Pot or Other Heat Source
  o Extension Cord
  o Large Wooden Spoon
  o Ladle
  o 1/4 Measuring Cup
Asphalt Cookies

Earth Science, Observations
Grades 3 – 8

- 1/8 Measuring Cup
- Tablespoon Measure
- Water and Paper Towels for Clean Up

**Supplies for Each Student:**
- Steep Sided Bowls or Large Paper Cup
- Sturdy Spoons
- Wax Paper cut into 12" squares
- 16 oz. Sealed Can or Rolling Pin

**SAFETY**

- This activity requires a heat source - Adult supervision is suggested;
- Cookie recipe uses nuts and cocoa - For students with allergies to these foods consider substituting raisins and carob powder.

**ACTIVITY**

**PROCEDURE**

1. Advance Preparation:
   - Review the background section of this activity at the end of the activity. Check out the photo gallery for this lesson by following the link. There are pictures of an asphalt plant, drum mixer, construction materials, asphalt samples and laboratory mixing and testing equipment. Click on any picture in the gallery for a larger version. Consider printing and using these pictures for a class display to have easy reference to pictures of the process of making real asphalt.
   - Prepare the "chocolate asphalt" in advance. In a medium size pot combine the cocoa powder, milk, butter and sugar. Heat, stirring frequently until the mixture boils for 2 minutes. Pour the mixture into the crock pot set at highest temperature. Yields 2 cups (8 ¼-cup portions). Double or triple the recipe as needed. Use this “asphalt” to make the model by adding the “aggregate,” as listed below.

2. Directions for students
   1. Use the measuring cup and tablespoon to measure the ingredients below into your mixing bowls or paper cups. These materials model the aggregate of actual asphalt.
      - 1/8 cup old fashion oats
      - 1/8 cup quick oats
      - 1 tablespoon walnuts
      - 1 tablespoon coconut

3. For pictures of asphalt, see [http://www.bing.com/images/search?q=asphalt&qs=IM&form=QBIR&pq=asphalt&sc=8­7&sp=1&sk=](http://www.bing.com/images/search?q=asphalt&qs=IM&form=QBIR&pq=asphalt&sc=8­7&sp=1&sk=)

4. As you get your "binder," look at the liquid form of the chocolate asphalt binder in the crock pot. When asphalt binder is heated to 300° F, it is also a liquid. Using the ladle, spoon and measure 1/4 cup chocolate asphalt into the materials mixture.

5. Look at the picture of the drum mixer from the asphalt plant ([http://www.bing.com/images/search?q=asphalt+drum+mixers&qpvt=asphalt+drum+mixers&FORM=IGRE](http://www.bing.com/images/search?q=asphalt+drum+mixers&qpvt=asphalt+drum+mixers&FORM=IGRE)). It tumbles all of the construction materials until they are well coated with the asphalt binder. The tumbler works like a clothes dryer. Mixing the ingredients in the model asphalt in your bowl is a similar process. Stir your model asphalt until all of the materials are well coated. Notice - the mixture cools while you stir it, becomes stiffer and starts to stick together. Asphalt behaves in the same manner.

6. When the materials are thoroughly mixed, pour the mixture into a mound on a square of wax paper. Cover the mound with a second piece of wax paper.

7. In the field, the pavement is spread with a paver and then rolled into a thin mat with a roller ([http://www.bing.com/images/search?q=asphalt+paver+and+roller&qs=n&form=QBIR&pq=asphalt+paver+and+roller&sc=0-11&sp=-1&sk=](http://www.bing.com/images/search?q=asphalt+paver+and+roller&qs=n&form=QBIR&pq=asphalt+paver+and+roller&sc=0-11&sp=-1&sk=)). The roller is very heavy and pushes all of the air out of the pavement. This helps make the asphalt very strong. Use a can or rolling pin to roll your cookie mixture 1/4"-1/3" thick. Can you still identify the different materials in the cookies?

8. Place your hand over the top of the cookie. Do you feel the heat? When asphalt pavement is first rolled out it is still very hot. Just like the asphalt, the cookies will harden as they cool. (Do you think that the cookies would be as strong if you use less edible materials? More edible materials?) When the cookies have cooled and hardened (20-30 minutes), you can peel off the wax paper and eat the cookie.

**EVALUATION**

Suggestions for evaluating activity

- For students 6-8, students define the vocabulary words in terms of the cookies and the related asphalt.
- For students 3-6, students identify the parts of the asphalt that the cookies represent: the cookie mixture, the oatmeal, the walnuts, etc.
TEACHER TIPS

WORDS

These words are used in the information and in the process of making asphalt. Work with the students to develop definitions for the words from the information given here or from other resources.

- aggregate
- asphalt
- binder
- civil engineering
- conveyor
- drum mixer
- liquefy
- manufacturer
- pavement
- plant
- porous
- stockpiles
- transport
BACKGROUND INFORMATION:
A variety of materials, machinery and processes are used in the preparation of road paving materials. While you make the chocolate asphalt cookies you will compare the processes and properties of the edible cookie construction materials with actual construction materials and processes.

Paving materials, like asphalt, are manufactured in a plant. An asphalt plant has many parts. There are areas to store and weigh the construction materials, machinery to make the asphalt and a laboratory to test samples for strength and durability.

Asphalt is a combination of "aggregate" and "binder". Aggregates are textured rocks and sand-like materials. Aggregates come in different sizes and textures: coarse, fine or very fine. Most aggregates come from nature: crushed rock or gravel for coarse aggregates; natural sand or finely crushed rocks for fine aggregates. Very fine aggregates are called "fillers". Common fillers are limestone dust or cement.
Aggregates - Notice the different size and textures of rocks

The rocks and other aggregates are stored in stockpiles (large piles) at the asphalt plant. The stockpiles are located near conveyors. The conveyors look like little roller coasters or monorail systems. There are small bins in the conveyor and the rocks or aggregate are scooped into the bins. The conveyor transports the bins around the asphalt plant where the materials are needed.

Stockpile and Conveyor System

The binder is the material that holds (binds) the mixture together. In the past tar was used. Today a substance called bitumen is used as the binder. When the binder is heated to 300°F, it turns into a liquid. When it cools it turns into a hard solid mass. Rocks or aggregate are added to the binder to make the asphalt stronger.

Engineers select and calculate the correct quantities of each rock size needed to produce a strong asphalt pavement. Calculated percentages of the different sizes of rocks are combined to determine the appropriate blend of rock materials. The mixture of rocks and asphalt binder are then compacted and put through a series of tests which smash, stretch, and freeze the pavement to determine the best blend of rocks to use in a certain climate.

Different measuring techniques are used in the field than in the laboratory. In the field engineers use huge quantities of each rock size and weigh them on scales as large as a garage. In the laboratory, much smaller quantities of each material are needed and ordinary measuring utensils are used.
The drum mixer at the asphalt plant tumbles all of the ingredients until they are well coated with the asphalt binder. The tumbler works like a clothes dryer. Mixing the ingredients in the bowls is a similar process. As the cookie mixture cools while it is being stirred, it becomes stiffer and starts to stick together. Asphalt behaves in the same manner.

In the field, the pavement is spread with the paver and then rolled into a thin mat with a roller. The roller is very heavy and smashes all of the air out of the pavement which helps to make the asphalt very strong. You can still see the different materials in the asphalt. Immediately after pavement is rolled out it is still very hot.
McKenzie Berg

STEM Outreach - Baraboo Science Club 'Asphalt Cookies'

Yesterday we went and presented to the Baraboo Science Club 6th graders about all the different types of engineering and then more specifically about the type of work civil engineers do. The main part of the presentation focused on asphalt pavement - how asphalt is made, how is it implemented, where and why is it used - and then the fun started when the students made their own 'asphalt mix' by creating a cookie made out of ingredients that represented those in asphalt pavement. MSA has done this activity before and it worked out great for the Baraboo Science Club too!
Great Work!

Tags: STEM and Outreach, Home, Raine Gardner, #kudos, #STEM
## APWA - Minnesota Chapter

**Budget: JULY 1, 2018 - JUNE 30, 2019 (FINAL)**

**July 1, 2018**

<table>
<thead>
<tr>
<th>Account</th>
<th>Program</th>
<th>Revenue/Expense Account</th>
<th>Program Description</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>7/1/17-6/30/18</th>
<th>7/1/18-6/30/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>400-200-103-MN0</td>
<td>103</td>
<td>Unrealized Gains (Losses)</td>
<td>Finance - from National</td>
<td>($2,408)</td>
<td>$1,375</td>
<td>$5,065</td>
<td>$16,781</td>
<td>$0</td>
</tr>
<tr>
<td>405-200-191-MN0</td>
<td>191</td>
<td>Registration Fees</td>
<td>Technical Tours</td>
<td>($915)</td>
<td>($40)</td>
<td>$1,462</td>
<td>$0</td>
<td>$500</td>
</tr>
<tr>
<td>405-200-192-MN0</td>
<td>192</td>
<td>Registration Fees</td>
<td>Education Events/ MISC.</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>405-200-471-MN0</td>
<td>471</td>
<td>Registration Fees</td>
<td>Underground Utility Inspection School</td>
<td>($21,128)</td>
<td>($14,070)</td>
<td>$14,843</td>
<td>$19,125</td>
<td>$11,900</td>
</tr>
<tr>
<td>435-200-230-MN0</td>
<td>230</td>
<td>Membership Dues</td>
<td>Chapter Services</td>
<td>($38,066)</td>
<td>($40,333)</td>
<td>$46,115</td>
<td>$46,208</td>
<td>$46,000</td>
</tr>
<tr>
<td>465-200-100-MN0</td>
<td>100</td>
<td>Miscellaneous</td>
<td>General &amp; Administrative</td>
<td>($9,426)</td>
<td>($10,850)</td>
<td>($896)</td>
<td>$2,031</td>
<td>$2,000</td>
</tr>
<tr>
<td>480-200-501-MN0</td>
<td>501</td>
<td>Expense Reimbursement</td>
<td>Congress Chapter Dinner</td>
<td>($6,080)</td>
<td>($2,555)</td>
<td>$5,250</td>
<td>$2,040</td>
<td>$5,000</td>
</tr>
<tr>
<td>490-200-100-MN0</td>
<td>100</td>
<td>Sponsorship fees</td>
<td>Event Sponsorships</td>
<td>($19,750)</td>
<td>($16,692)</td>
<td>$17,594</td>
<td>$25,800</td>
<td>$25,000</td>
</tr>
<tr>
<td>491-200-230-MN0</td>
<td>230</td>
<td>Chapter Rebate Income</td>
<td>Membership Rebates from National</td>
<td>($8,610)</td>
<td>($11,556)</td>
<td>$0</td>
<td>$12,573</td>
<td>$12,000</td>
</tr>
<tr>
<td>491-200-232-MN0</td>
<td>232</td>
<td>Chapter Rebate Income</td>
<td>Chapter Leader Stipend from National</td>
<td>($1,000)</td>
<td>$0</td>
<td>$500</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>491-200-235-MN0</td>
<td>235</td>
<td>Chapter Rebate Income</td>
<td>Delegate stipend from National</td>
<td>($1,100)</td>
<td>($500)</td>
<td>$1,000</td>
<td>$500</td>
<td>$500</td>
</tr>
<tr>
<td>492-200-182-MN0</td>
<td>182</td>
<td>Royalties</td>
<td>Spring conference</td>
<td>($10,492)</td>
<td>($6,165)</td>
<td>$11,583</td>
<td>$9,076</td>
<td>$9,000</td>
</tr>
<tr>
<td>492-200-184-MN0</td>
<td>184</td>
<td>Royalties</td>
<td>Fall conference</td>
<td>($29,034)</td>
<td>($38,118)</td>
<td>$32,498</td>
<td>$48,438</td>
<td>$30,000</td>
</tr>
<tr>
<td>499-200-103-MN0</td>
<td>103</td>
<td>Contributions from Reserves</td>
<td>Finance</td>
<td>$2</td>
<td>$1</td>
<td>$43,970</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL REVENUE**

| | | | | ($147,007) | ($140,504) | $134,514 | $183,073 | $185,870 |

## EXPENSES:

<table>
<thead>
<tr>
<th>Account</th>
<th>Program</th>
<th>Revenue/Expense Account</th>
<th>Program Description</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>7/1/17-6/30/18</th>
<th>7/1/18-6/30/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>552-200-232-MN0</td>
<td>232</td>
<td>Board/Delegate Travel</td>
<td>Chapter Leadership Training</td>
<td>$0</td>
<td>$1,370</td>
<td>$1,651</td>
<td>$758</td>
<td>$1,500</td>
</tr>
<tr>
<td>552-200-235-MN0</td>
<td>235</td>
<td>Board/Delegate Travel</td>
<td>HOD: Delegate and Alternate Travel</td>
<td>$1,821</td>
<td>$813</td>
<td>$1,047</td>
<td>$1,011</td>
<td>$1,500</td>
</tr>
<tr>
<td>552-200-501-MN0</td>
<td>501</td>
<td>Board Travel</td>
<td>Board/President to PWX</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>553-200-501-MN0</td>
<td>501</td>
<td>Board Travel</td>
<td>Committee Chair, YP, HGE to PWX</td>
<td>$1,921</td>
<td>$3,348</td>
<td>$3,099</td>
<td>$470</td>
<td>$3,000</td>
</tr>
<tr>
<td>575-200-103-MN0</td>
<td>103</td>
<td>Insurance</td>
<td>General &amp; Administrative</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>600-200-108-MN0</td>
<td>108</td>
<td>Facility Costs C/SC Fees Web site</td>
<td>Annual hosting fees</td>
<td>$0</td>
<td>$1,096</td>
<td>$683</td>
<td>$1,000</td>
<td></td>
</tr>
<tr>
<td>600-200-188-MN0</td>
<td>188</td>
<td>Facility Costs</td>
<td>STEM State Fair / Fall Maint Expo</td>
<td>$479</td>
<td>$392</td>
<td>$55</td>
<td>$2,300</td>
<td>$1,600</td>
</tr>
<tr>
<td>615-200-100-MN0</td>
<td>100</td>
<td>Food &amp; Beverage</td>
<td>General &amp; Administrative</td>
<td>$532</td>
<td>$709</td>
<td>$686</td>
<td>$251</td>
<td>$800</td>
</tr>
<tr>
<td>615-200-121-MN0</td>
<td>121</td>
<td>Food &amp; Beverage</td>
<td>Board Orientation/ YE Reception</td>
<td>$1,094</td>
<td>$991</td>
<td>$35</td>
<td>$793</td>
<td>$1,000</td>
</tr>
<tr>
<td>615-200-136-MN0</td>
<td>136</td>
<td>Food &amp; Beverage</td>
<td>Membership Committee</td>
<td>$2,059</td>
<td>$1,206</td>
<td>$1,699</td>
<td>$707</td>
<td>$1,100</td>
</tr>
<tr>
<td>615-200-137-MN0</td>
<td>137</td>
<td>Food &amp; Beverage</td>
<td>Communications Committee</td>
<td>$784</td>
<td>$812</td>
<td>$194</td>
<td>$241</td>
<td>$400</td>
</tr>
<tr>
<td>615-200-139-MN0</td>
<td>139</td>
<td>Food &amp; Beverage</td>
<td>Audit Committee</td>
<td>$58</td>
<td>$0</td>
<td>$82</td>
<td>$0</td>
<td>$100</td>
</tr>
<tr>
<td>615-200-145-MN0</td>
<td>145</td>
<td>Food &amp; Beverage</td>
<td>Awards Committee</td>
<td>$27</td>
<td>$0</td>
<td>$0</td>
<td>$71</td>
<td>$150</td>
</tr>
<tr>
<td>615-200-146-MN0</td>
<td>146</td>
<td>Food &amp; Beverage</td>
<td>Education &amp; Training Committee</td>
<td>$611</td>
<td>$813</td>
<td>$946</td>
<td>$1,080</td>
<td>$1,000</td>
</tr>
<tr>
<td>615-200-147-MN0</td>
<td>147</td>
<td>Food &amp; Beverage</td>
<td>Environmental Committee</td>
<td>$502</td>
<td>$310</td>
<td>$417</td>
<td>$445</td>
<td>$550</td>
</tr>
<tr>
<td>615-200-148-MN0</td>
<td>148</td>
<td>Food &amp; Beverage</td>
<td>Executive Committee</td>
<td>$1,734</td>
<td>$2,173</td>
<td>$1,813</td>
<td>$3,313</td>
<td>$2,500</td>
</tr>
<tr>
<td>615-200-149-MN0</td>
<td>149</td>
<td>Food &amp; Beverage</td>
<td>Conference Planning YE Committee</td>
<td>$578</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$600</td>
</tr>
<tr>
<td>615-200-237-MN0</td>
<td>237</td>
<td>Food &amp; Beverage</td>
<td>U of MN Student Chapter</td>
<td>$962</td>
<td>$373</td>
<td>$3,224</td>
<td>$1,053</td>
<td>$1,000</td>
</tr>
<tr>
<td>615-200-350-MN0</td>
<td>350</td>
<td>Food &amp; Beverage</td>
<td>Young Professionals</td>
<td>$0</td>
<td>$536</td>
<td>$697</td>
<td>$1,800</td>
<td>$1,500</td>
</tr>
<tr>
<td>615-200-471-MN0</td>
<td>471</td>
<td>Food &amp; Beverage</td>
<td>UUCIS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>615-200-501-MN0</td>
<td>501</td>
<td>Food &amp; Beverage</td>
<td>Chapter Dinner at Congress</td>
<td>$9,430</td>
<td>$5,292</td>
<td>$13,885</td>
<td>$7,105</td>
<td>$9,100</td>
</tr>
<tr>
<td>615-200-711-MN0</td>
<td>711</td>
<td>Food &amp; Beverage</td>
<td>Public Awareness</td>
<td>$361</td>
<td>$307</td>
<td>$198</td>
<td>$420</td>
<td>$500</td>
</tr>
<tr>
<td>670-200-100-MN0</td>
<td>100</td>
<td>Consultants/Subcontractors Fees</td>
<td>Sponsor Signage</td>
<td>$0</td>
<td>$0</td>
<td>$69</td>
<td>$0</td>
<td>$70</td>
</tr>
<tr>
<td>670-200-103-MN0</td>
<td>103</td>
<td>Consultants/Subcontractors Fees</td>
<td>Accountant - National</td>
<td>$6,444</td>
<td>$6,000</td>
<td>$3,000</td>
<td>$6,000</td>
<td>$3,000</td>
</tr>
<tr>
<td>670-200-150-MN0</td>
<td>150</td>
<td>Consultants/Subcontractors Fees</td>
<td>MN 2050 Documentary and Misc</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$25,000</td>
</tr>
<tr>
<td>670-200-108-MN0</td>
<td>108</td>
<td>Consultants/Subcontractors Fees</td>
<td>Website Management</td>
<td>$1,305</td>
<td>$1,591</td>
<td>$6,891</td>
<td>$1,477</td>
<td>$1,500</td>
</tr>
<tr>
<td>670-200-192-MN0</td>
<td>192</td>
<td>Consultants/Subcontractors Fees</td>
<td>Education Events</td>
<td>$2,289</td>
<td>$0</td>
<td>$0</td>
<td>$5,000</td>
<td>$0</td>
</tr>
<tr>
<td>670-200-230-MN0</td>
<td>230</td>
<td>Consultants/Subcontractors Fees</td>
<td>Chapter Services</td>
<td>$27,851</td>
<td>$32,986</td>
<td>$49,631</td>
<td>$71,787</td>
<td>$70,000</td>
</tr>
</tbody>
</table>
### Budget: JULY 1, 2018 - JUNE 30, 2019 (FINAL)

<table>
<thead>
<tr>
<th>Account</th>
<th>Program Revenue/Expense Account</th>
<th>Program Description</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>7/1/17-6/30/18</th>
<th>7/1/18-6/30/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>670-200-471-MNO</td>
<td>471 Consultants/Subcontractors Fees</td>
<td>UUCIS</td>
<td>$11,000</td>
<td>$12,000</td>
<td>$14,000</td>
<td>$15,000</td>
<td>$16,000</td>
</tr>
<tr>
<td>670-200-601-MNO</td>
<td>601 Consultants/Subcontractors Fees</td>
<td>Web editor</td>
<td>$13,291</td>
<td>$1,294</td>
<td>$3,470</td>
<td>$0</td>
<td>$1,500</td>
</tr>
<tr>
<td>675-200-148-MNO</td>
<td>148 Speakers &amp; Trainers Fees</td>
<td>Executive Committee</td>
<td>$750</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$800</td>
</tr>
<tr>
<td>700-200-100-MNO</td>
<td>100 Office Supplies</td>
<td>General &amp; Administrative</td>
<td>$0</td>
<td>$345</td>
<td>$234</td>
<td>$2,164</td>
<td>$500</td>
</tr>
<tr>
<td>700-200-471-MNO</td>
<td>471 Office Supplies</td>
<td>UUCIS</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$200</td>
<td>$200</td>
</tr>
<tr>
<td>705-200-237-MNO</td>
<td>237 Student Memberships</td>
<td>U of MN Student Chapter</td>
<td>$395</td>
<td>$646</td>
<td>$25</td>
<td>$75</td>
<td>$200</td>
</tr>
<tr>
<td>838-200-100-MNO</td>
<td>100 Printing &amp; Production</td>
<td>General &amp; Administrative</td>
<td>$585</td>
<td>$1,425</td>
<td>$5,020</td>
<td>$1,897</td>
<td>$1,500</td>
</tr>
<tr>
<td>838-200-183-MNO</td>
<td>183 Printing &amp; Production</td>
<td>Summer Golf Event</td>
<td>$260</td>
<td>$320</td>
<td>$284</td>
<td>$0</td>
<td>$300</td>
</tr>
<tr>
<td>861-200-183-MNO</td>
<td>183 Award &amp; Door Prizes</td>
<td>Summer Golf Event</td>
<td>$1,800</td>
<td>$1,600</td>
<td>$1,600</td>
<td>$1,887</td>
<td>$1,600</td>
</tr>
<tr>
<td>861-200-231-MNO</td>
<td>231 Award &amp; Door Prizes</td>
<td>Chapter Awards/Recognition plaques</td>
<td>$440</td>
<td>$503</td>
<td>$378</td>
<td>$1,609</td>
<td>$1,000</td>
</tr>
<tr>
<td>863-200-100-MNO</td>
<td>100 Scholarship to Non Students</td>
<td>Cert. Pub. Fleet Prof. Scholarships</td>
<td>$1,150</td>
<td>$0</td>
<td>$0</td>
<td>$1,500</td>
<td>$1,500</td>
</tr>
<tr>
<td>863-200-471-MNO</td>
<td>471 Scholarship to Non Students</td>
<td>2 UUCIS Scholarships (CPII exam)</td>
<td>$985</td>
<td>$1,190</td>
<td>$145</td>
<td>$590</td>
<td>$1,000</td>
</tr>
<tr>
<td>863-200-501-MNO</td>
<td>501 Scholarship to Non Students</td>
<td>Emerging Leaders Academy</td>
<td>$1,500</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$1,500</td>
</tr>
<tr>
<td>864-200-100-MNO</td>
<td>100 Scholarships to Students</td>
<td>Educational Scholarships</td>
<td>$12,500</td>
<td>$12,500</td>
<td>$15,000</td>
<td>$29,995</td>
<td>$20,000</td>
</tr>
<tr>
<td>890-200-103-MNO</td>
<td>103 Bank Service Charges</td>
<td>Finance</td>
<td>$1,277</td>
<td>$834</td>
<td>$717</td>
<td>$785</td>
<td>$800</td>
</tr>
<tr>
<td>898-200-100-MNO</td>
<td>100 Miscellaneous Expenses</td>
<td>General &amp; Administrative</td>
<td>$3,155</td>
<td>$7,482</td>
<td>$4,055</td>
<td>$4,831</td>
<td>$5,000</td>
</tr>
<tr>
<td>898-200-191-MNO</td>
<td>191 Misc Expense - Technical Tours</td>
<td></td>
<td>$50</td>
<td>$0</td>
<td>$1,694</td>
<td>$0</td>
<td>$500</td>
</tr>
<tr>
<td>899-200-100-MNO</td>
<td>100 Sponsorships/Contributions</td>
<td>Educational Grants</td>
<td>$250</td>
<td>$2,000</td>
<td>$2,000</td>
<td>$2,000</td>
<td>$2,000</td>
</tr>
<tr>
<td>900-200-103-MNO</td>
<td>103 ML Investment Transfers</td>
<td>Finance</td>
<td>$1</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Adjustment to balance with Ntl</td>
<td>($2)</td>
<td>($1)</td>
<td>($1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL EXPENDITURES</strong></td>
<td></td>
<td></td>
<td>$109,981</td>
<td>$100,409</td>
<td>$137,038</td>
<td>$167,803</td>
<td>$185,870</td>
</tr>
</tbody>
</table>

### Additional Financial Information:

<table>
<thead>
<tr>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>1/1/17-6/30/17</th>
<th>7/1/18-6/30/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budget</td>
<td>Budget</td>
<td>Budget</td>
<td>Budget</td>
<td>Budget</td>
</tr>
<tr>
<td>Net Surplus (Deficit)</td>
<td>$37,026</td>
<td>$40,095</td>
<td>($2,524)</td>
<td>$15,270</td>
</tr>
</tbody>
</table>

**Net Assets, Beginning of Year**

- $208,040
- $245,066
- $277,470
- $284,654
- $255,954

**Plus Net Surplus (Minus Net Deficits)**

- $37,026
- $40,095
- ($2,524)
- $15,270
- $0

**Carry Forward to Next Year**

- $43,970

**National adjustment - balance books**

- $7,691

**Net Assets, End of Year**

- $245,066
- $277,470
- $274,967
- $255,954
- $255,954