Desired Outcomes:

- Share knowledge of new Wellness initiatives to all students, staff, parents and community members within the group I represent
- Become familiar with the recent work of the Sustainability Committee, the Energy Conservation Office and the Department of Planning, Design and Construction in their efforts to make AACPS a more sustainable school system and their ties to wellness
- Recognize the components of the Physical Education Policy and Regulation and participate in a SWOT analysis to strengthen the contents of both

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>Welcome/Introductions</td>
<td>Ms. Jackson</td>
</tr>
<tr>
<td>2:05</td>
<td>Review Agenda</td>
<td>Ms. Risse</td>
</tr>
<tr>
<td>2:10</td>
<td>Wellness Council Meeting Debrief</td>
<td>Ms. Escobosa</td>
</tr>
<tr>
<td></td>
<td>- Health Services</td>
<td>Ms. Martin</td>
</tr>
<tr>
<td>2:20</td>
<td>School Wellness Highlights</td>
<td>Elementary, Middle</td>
</tr>
<tr>
<td></td>
<td>&amp; High Principals</td>
<td>Ms. Martin</td>
</tr>
<tr>
<td>2:30</td>
<td>Council Announcements</td>
<td>Council Members</td>
</tr>
<tr>
<td>2:40</td>
<td>Professional Development</td>
<td>Ms. Seaman-Crawford</td>
</tr>
<tr>
<td></td>
<td>- Physical Environment</td>
<td>Ms. Seaman-Crawford</td>
</tr>
<tr>
<td>3:10</td>
<td>Brain Boost</td>
<td>Ms. Cosby</td>
</tr>
<tr>
<td></td>
<td>- Employee Wellness</td>
<td>Ms. Lofton</td>
</tr>
<tr>
<td>3:15</td>
<td>Subcommittee Updates</td>
<td>Ms. Walsh</td>
</tr>
<tr>
<td></td>
<td>- Physical Education Policy IFC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Physical Education Regulation IFC-RA</td>
<td></td>
</tr>
<tr>
<td>3:45</td>
<td>Feedback/Next Steps</td>
<td>Council Members</td>
</tr>
<tr>
<td>4:00</td>
<td>Close</td>
<td></td>
</tr>
</tbody>
</table>

Next Meeting: Tuesday, January 14, 2020
2:00 – 4:00 p.m.
AACPS Board Room
Wellness Council Meeting Minutes
November 12, 2019
Anne Arundel County Public Schools
Board Room

Attendees:

<table>
<thead>
<tr>
<th>Amy Baer</th>
<th>Amy Falls</th>
<th>Ann Heiser Buzzelli</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barbara Balazek</td>
<td>Beckett Hummer</td>
<td>Bernadette Martin</td>
</tr>
<tr>
<td>Brandi Dorsey</td>
<td>Cailot Holly</td>
<td>Caitlin Hall</td>
</tr>
<tr>
<td>Carol Laverdiere</td>
<td>Christiana Walsh</td>
<td>Christopher Gordon</td>
</tr>
<tr>
<td>Colleen Mallonee</td>
<td>Erin Hysom</td>
<td>Gaston Gamez</td>
</tr>
<tr>
<td>Isaphine Johnson</td>
<td>Jennifer Lombardi</td>
<td>JoAnn Escobosa</td>
</tr>
<tr>
<td>Jodi Risse</td>
<td>John Ander</td>
<td>Kathryn Feuerherd</td>
</tr>
<tr>
<td>Kristen Bowser</td>
<td>Lisa Seaman-Crawford</td>
<td>Mary Kay Connerton</td>
</tr>
<tr>
<td>Maureen Grizio</td>
<td>Miesha Walker</td>
<td>Monique Jackson</td>
</tr>
<tr>
<td>Ryan Voegtlin</td>
<td>Sherry Cassilly</td>
<td>Stacy Pellegrin</td>
</tr>
<tr>
<td>Stacey Mazcko</td>
<td>Stacey Smith</td>
<td>Susan Chittim</td>
</tr>
<tr>
<td>Vicky Cosby</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Welcome, Introductions
- Julie Hummer - Board Member, Isaphine Smith – Principal at Severn Elementary
  Cailot Holly and Beckett Hummer – CRASC students from MacArthur Middle and Meade High

Review Agenda
- Thank you to Cailot Holly for participating on a student panel at the MdSNA Convention on October 25, 2019

Updates:
- Wellness Council Meeting Debrief
  - Shared feedback with their supervisors
  - Preparing to update the Wellness Toolkit with Goals & Objectives

School Wellness Highlights
- High School
  - Wellness Highlights
    (attached document)
- Middle School
  - Wellness Highlights
- Elementary School
  - Wellness Highlights

Council Announcements
- Anne Arundel County “Women over 55” Tennis Tournament 3rd Place Winners
- Open Enrollment ends today, November 12, 2019
- Health for the Holidays
- Family Involvement Conference, AA County Community College, Arnold Campus
  - Saturday, November 16, 2019 from 8:00 a.m. to 1:00 p.m.
- Brooklyn Park Food Pantry
- Thanksgiving Produce Give Away
  - Brooklyn Park Middle Cooking Class
    - Students and parents create, cook and consume healthy recipes

- Wellness Scorecard
  - Review instructions for entering and submitting Scorecards online
  - Teams are scheduled with Principals to complete process by December 31, 2019

- Professional Development Ms. Seaman-Crawford
  - Physical Environment Mr. Ander
    - Showing of Energy Conservation Presentation presented to the Board on October 23, 2019

- Brain Boost Ms. Cosby

- Subcommittee Update Ms. Walsh
  - Physical Education Policy IFC and Regulation IFC-RA SWOT Analysis

- Feedback/Next Steps Council Members
  - University of Maryland and Maryland State Department of Education will report out the results of the Maryland Wellness Policies and Practices Project (MWPPP) at our January meeting
  - School Health Advisory Council update at January meeting
November Wellness Initiatives

1. Continued use of Facebook Page (secret group) to share recipes, fitness opportunities and funny memes.
2. Monthly happy hours for team building outside of school.
3. Weekly yoga offering open to all the staff to participate in.
4. Monthly recipe share. Someone on the Wellness Committee makes a healthy snack to share in the work room and provides the recipe and ingredients for staff to sample.

<table>
<thead>
<tr>
<th>Timestamp</th>
<th>Email Address</th>
<th>Name</th>
<th>School</th>
<th>November Wellness Initiatives</th>
</tr>
</thead>
</table>
| 11/7/2019 14:22:15 | egosman@aacps.org        | Erin Goman    | Belvedere Elementary Sc       | 1) Yoga Month in PE  
2) Mighty Milers  
3) Girls on the Run  
4) Soccer Club  
5) Dance Company  
6) 5th grade field trip skate zone  
7) Massages for teachers on half days through CareFirst  
8) Recess equipment to be color coordinated & sharing with the staff.  
9) Run Around the School Exercise  
10) Yoga Club  
11) Positive Education - PD  
12) Zones of Regulation - PD  
13) After school Fitness Classes through CareFirst for teachers- cardio class Tuesdays and yoga class on Wednesdays  
14) Chesapeake Wellness Walk incentives - starbucks & Rutabaga Juicery gift cards for teachers AND popcorn or apples or pretzels for students as a prize for raffle of classes who visit
15) Halloween Candy Donation |
| 11/7/2019 14:30:19 | achitwood@aacps.org      | Amy Chitwood  | Rolling Knolls                | 1) Continued use of Facebook Page (secret group) to share recipes, fitness opportunities and funny memes.  
2. Monthly happy hours for team building outside of school.  
3. Weekly yoga offering open to all the staff to participate in.  
4. Monthly recipe share. Someone on the Wellness Committee makes a healthy snack to share in the work room and provides the recipe and ingredients for staff to sample.  
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6) 5th grade field trip skate zone  
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15) Halloween Candy Donation |
| 11/7/2019 14:38:35 | dhorn@aacps.org          | Danielle Horn | Richard Henry Lee Elem        | 1) Yoga Month in PE  
2) Mighty Milers  
3) Girls on the Run  
4) Soccer Club  
5) Dance Company  
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15) Halloween Candy Donation |
| 11/7/2019 14:42:40 | khurst@aacps.org         | Kaelin Hursh   | Lake Shore Elementary Sc      | 1) Yoga Month in PE  
2) Mighty Milers  
3) Girls on the Run  
4) Soccer Club  
5) Dance Company  
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15) Halloween Candy Donation |
| 11/7/2019 14:57:28 | asabia@aacps.org         | Allyson Sabia  | Belle Grove Elem.             | 1) Yoga Month in PE  
2) Mighty Milers  
3) Girls on the Run  
4) Soccer Club  
5) Dance Company  
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15) Halloween Candy Donation |
| 11/7/2019 15:01:14 | mreiter@aacps.org        | Megan Reiter   | Ruth Park  Eason Sc. - Pies for the staff during the student Thanksgiving Feast on 11/21/2019 |
| 11/7/2019 15:08:57 | jmobley@aacps.org        | Jennifer Mobley | Mayo Elementary              | 1) Yoga Month in PE  
2) Mighty Milers  
3) Girls on the Run  
4) Soccer Club  
5) Dance Company  
6) 5th grade field trip skate zone  
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15) Halloween Candy Donation |
| 11/7/2019 15:14:48 | elarks@aacps.org         | Emily Clark    | Benfield Elementary Sc.       | 1) Yoga Month in PE  
2) Mighty Milers  
3) Girls on the Run  
4) Soccer Club  
5) Dance Company  
6) 5th grade field trip skate zone  
7) Massages for teachers on half days through CareFirst  
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15) Halloween Candy Donation |
| 11/7/2019 15:40:39 | nkellett@aacps.org       | Noah Kellett   | Ridgeway Elementary Sc        | 1) Yoga Month in PE  
2) Mighty Milers  
3) Girls on the Run  
4) Soccer Club  
5) Dance Company  
6) 5th grade field trip skate zone  
7) Massages for teachers on half days through CareFirst  
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<th>Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>11/11/2019 13:52:16</td>
<td><a href="mailto:lrodriguez@aacps.org">lrodriguez@aacps.org</a></td>
<td>Leanne Rodriguez</td>
<td>West Annapolis Elementary</td>
<td>On Tuesday, November 12th, West Annapolis students will be participating in the Mighty Milers Track meet along with Volunteer Coaches and USNA Midshipmen. We also have Yoga Club after school two days a week. As part of our Triple E program, we have a guest instructor introducing I am Yoga to all grade levels.</td>
</tr>
<tr>
<td>11/11/2019 13:57:00</td>
<td><a href="mailto:hkleiderlein@aacps.org">hkleiderlein@aacps.org</a></td>
<td>Holly J. Kleiderlein</td>
<td>Oak Hill Elementary</td>
<td>Our monthly PBIS incentive for October took place November 1. Classes from different grade levels paired up and students read together--outside in the afternoon as the weather warmed up.</td>
</tr>
<tr>
<td>11/11/2019 14:24:46</td>
<td><a href="mailto:cshuckseidel@aacps.org">cshuckseidel@aacps.org</a></td>
<td>Corinne Shuck</td>
<td>Broadneck Elementary</td>
<td>Race for Education, 5K, Biggest loser contest for staff, 21 days of wellness bookmark for staff</td>
</tr>
<tr>
<td>11/12/2019 8:00:40</td>
<td><a href="mailto:gromeo@aacps.org">gromeo@aacps.org</a></td>
<td>Gina Romeo Venturella</td>
<td>Crofton Meadows Elementary</td>
<td>APEX Fun Run, Ballroom Dancing for 5th grade students, Pumpkin Run finale, Kindergarten walking to the Library Field trip</td>
</tr>
<tr>
<td>11/12/2019 12:53:51</td>
<td><a href="mailto:kvezina@aacps.org">kvezina@aacps.org</a></td>
<td>Kaitlin Vezina</td>
<td>Riviera Beach Elementary</td>
<td>Breakfast Club, Math Night with Movement, Staff Walking Club, Student Running Club</td>
</tr>
<tr>
<td>11/12/2019 14:55:53</td>
<td><a href="mailto:schandler@aacps.org">schandler@aacps.org</a></td>
<td>Scott Chandler</td>
<td>Seven Oaks</td>
<td>Promote Healthy Eating</td>
</tr>
<tr>
<td>11/12/2019 18:42:46</td>
<td><a href="mailto:cmoltman@aacps.org">cmoltman@aacps.org</a></td>
<td>Courtney Ottman</td>
<td>Folger McKinsey</td>
<td>Taste the rainbow on morning announcements, continued social/emotional initiatives through character education, yoga club, speed stacking club began</td>
</tr>
<tr>
<td>11/13/2019 14:20:18</td>
<td><a href="mailto:mmoore1@aacps.org">mmoore1@aacps.org</a></td>
<td>melodie Moore</td>
<td>Arnold</td>
<td>Sorry This was late I missed this email I was out a few days with my daughter at dr. Appointments. Our Wellness committee planned Veterans day events since we have such a book in the next few days.</td>
</tr>
</tbody>
</table>
### High School Wellness Updates – November 2019

<table>
<thead>
<tr>
<th>School Name</th>
<th>Staff Wellness Activities</th>
<th>Student Wellness Activities</th>
<th>Community Wellness Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Annapolis</strong></td>
<td>Employee Night at Lighthouse Bistro</td>
<td>Harvest for the Hungry</td>
<td>Mission Boxes: Thanksgiving meals for those in need</td>
</tr>
<tr>
<td>November:</td>
<td></td>
<td></td>
<td>2nd Annual Buddy Bowl for 11/2: Flag Football Tournament to raise money for wounded veterans</td>
</tr>
<tr>
<td>Theme: “Feed the Soul”</td>
<td></td>
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</tr>
<tr>
<td>Description: passion/drive for a better self/giving back to the community</td>
<td></td>
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<tr>
<td>Hashtag for Twitter: #Feedthesoul</td>
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</tbody>
</table>

*Please note that each month, AHS focuses on a theme for that month that are linked to one of the ten wellness initiatives as outlined in the AACPS Strategic Plan. This drives the student wellness activities, staff wellness activities, and the community events. This theme is advertised on the AHS Wellness Window (by the cafeteria), over the announcements, within Advisory lessons, and in weekly wellness emails to the staff and an Employee Wellness Board situated next to the sign in center. In addition, one of our School Improvement Team Charters, ‘Connecting Communities,’ actively works to implement these themes within our school community.*

<table>
<thead>
<tr>
<th><strong>Center of Applied Technology - South</strong></th>
<th>Cancer Awareness</th>
<th>Professionalism</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walking Wednesdays</td>
<td></td>
<td>The Cons of Juuling/Vaping</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cancer Awareness</td>
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<tr>
<td>Location</td>
<td>Glen Burnie</td>
<td>North County</td>
<td>Northeast (for the month of October)</td>
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<tr>
<td>Wellness Wednesdays</td>
<td>Wellness Wednesdays for Teachers: Cross Country Boys and Girls on the Run; Games, Games, Games!;</td>
<td>Healthy eating daily along with physical education classes</td>
<td>Yoga; Meditation strategies; All GCC students heard Denise Williams speak about the opioid epidemic</td>
</tr>
<tr>
<td>for Teachers</td>
<td>Beach Body Workout; Weight Training and Workout; Nutrition Network; Beginner Yoga; Meditation;</td>
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<tr>
<td></td>
<td>Tai Chi; Knit/Crochet</td>
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<td></td>
<td>Wellness Wednesdays for Students during Intervention: Pushup Challenge; Beginner Yoga; Creative</td>
<td></td>
<td>Yoga; Meditation; Mental wellness lab; Canned good food drive; Coat drive; Haunted House of Addictions</td>
</tr>
<tr>
<td></td>
<td>Space; Meditation; Walking; Games, games, games!; Coloring; Nutrition Network</td>
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</tbody>
</table>
| Severna Park | November 7 Faculty/Staff Wellness self-help strategies offered during teacher lunch periods and afterschool  
November 13 SGA sponsored Faculty/Staff Appreciation luncheon | November 15 STAR (mental health and wellness) Advisory lesson to all students | N/A |
| South River | Veterans Day celebration - each teacher veteran receives corsage...PowerPoint of each faculty members' family who are veterans or currently serving are on the school TVs  
Updated Wellness Newsletter (ongoing)  
Faculty Yoga Afterschool (ongoing)  
Faculty social 10/31 Halloween breakfast and department-themed costumes.  
Walking for Wellness 4th period (ongoing) | Wellness Club: Student led meditation during Thursday NEST  
Seahawk Shout-Out: Students write a positive shout-out for a fellow student, teacher, or staff  
French Language: Guided meditation in morning in French language  
English Dept: Guided meditation using the Calm App  
Environmental Society runs our Thursday paper recycling collection throughout the building (ongoing)  
Job postings to all students for medical opportunities at AAWDC  
Guest Speaker during NEST: Lauren Decker about Nursing  
PowerPoint on teen mental health issues from the Mental Health Awareness Club to distribute through the school  
Harvest for the Hungry HeHawks vs Field Hockey Game and fundraiser | Empty Bowls fundraiser for the Maryland Food Bank involving several local restaurants - run by Interact Club  
Trick or Treat for UNICEF (extended through Nov) - Key Club and the UNICEF Club raising funds and awareness for Eliminate MNF  
Key Club makes No Slip socks for hospitalized kids at AAMC decorated with puffy paint  
Future Physicians makes Cards for Hospitalized Children (National Org)  
STEM/National Arts Honor Society creating environmental and sustainability video for school in Brazil |
Annapolis High School's 3rd Annual ReNew YOU

Saturday, January 25th from 10am-1pm

Snow Date: February 15th from 10am-1pm

via the AHS cafeteria enterance

Choose 1 of 10 complimentary yoga classes.
Attend our Wellness Fair after in AHS' cafeteria

First 50 people to arrive receive a FREE yoga mat.

Some yoga mats will be provided/you may bring your own

Register through AHS' website: www.annapolishighschool.org under "Upcoming Events"

Sponsored By:

Apollo Salvador - Class of 2022
Tercera Feria Anual
Renuévate
Annapolis High

Dia: Sábado, 25 de Enero Hora: 10 AM-1PM
Fecha Alterna si cancelado por nieve: 15 de Febrero Hora: 10AM-1PM

Lugar: Cafetería de Annapolis High

Elija 1 de las 10 clases gratis de Yoga.
Luego participa en la Feria de Bienestar en la Cafetería de AHS.
¡Las primeras 50 personas en llegar recibirán una colchoneta de yoga gratis!
Algunas colchonetas de yoga serán proporcionadas/puede traer la suya propia.

Regístrate en el sitio web:
www.annapolishighschool.org
Debajo de “Upcoming Events” (Próximos Eventos)

Patrocinado por:

Apollo Salvador - Class of 2022
Sustainability and Energy Conservation
14M Square Feet of Building Space
3,200 Acres
530 Miles of Shoreline
U.S. DEPARTMENT OF EDUCATION

Green Ribbon Schools

Awarded in 2016

Anne Arundel County Public Schools
Facilities

Wellness Council

Curriculum

Reduced Environmental Impact and Costs

Improve Health and Wellness of Students and Staff

Environmental and Sustainability Education
Annapolis Elementary • Annapolis High School • Annapolis Middle • Arlington Echo
Arnold Elementary • Arundel High School • Belvedere Elementary • Benfield Elementary
Bodkin Elementary • Broadneck High School • Brooklyn Park Elementary
Cape St. Claire Elementary • CAT North • CAT South • Central Elementary • Central Middle
Central Special • Chesapeake Bay Middle • Chesapeake High School
Crofton Meadows Elementary • Crofton Woods Elementary • Davidsonville Elementary
Eastport Elementary • Edgewater Elementary • Folger McKinsey Elementary
Fort Smallwood Elementary • Four Seasons Elementary • George Cromwell Elementary
George Fox Middle • Hebron Harman Elementary • Hillsmere Elementary
J Albert Adams Academy • Jacobsville Elementary • Jessup Elementary • Jones Elementary
Lake Shore Elementary • Linthicum Elementary • Magothy River Middle
Marley Glen School • Maryland City Elementary • Mayo Elementary • Meade Middle
Millersville Elementary • Nantucket Elementary • North County High School
Oak Hill Elementary • Oakwood Elementary • Old Mill South Middle • Overlook Elementary
Pasadena Elementary • Piney Orchard Elementary • Richard Henry Lee Elementary
Ridgeway Elementary • Rippling Woods Elementary • Riviera Beach Elementary
Rolling Knolls Elementary • Ruth Parker Eason School • Severn Elementary
Severn River Middle • Severna Park Elementary • Severna Park High School
Severna Park Middle • Shipler’s Choice Elementary • South River Senior High
South Shore Elementary • Southern High School • Sunset Elementary
Tracey’s Elementary • Tyler Heights Elementary • Waugh Chapel Elementary
West Annapolis Elementary • Wiley H. Bates Middle • Windsor Farm Elementary
Reducing Our Environmental Impact
Stormwater Management

- Bio-retention areas
- Rain gardens
- Infiltration trenches
Living shoreline at Arlington Echo
Living shoreline at Arlington echo Southern Middle Southern High
Water Conservation
Since 1991

AACPS Recycles

Schools
- Paper
- Metal
- Plastic
- Glass

Departments and Offices
- Scrap metal
- Anti-freeze
- Brush and branches
- Laptop batteries
- Printer cartridges

Online auctions sales
- Technology
- Education
- Food Service Equipment
- Vehicles
School Construction & Demolition

Recycled and Salvaging Materials
Health & Wellness

- Environmentally friendly janitorial products
- Non-wax floors (eliminating chemical strippers)
- Minimal use of pesticides (used outside only)

Integrated Pest Management (IPM) Program
Energy Conservation Office (ECO)

Established in 2012
Energy Conservation Office (ECO)

Explores the root cause(s) for energy consumption
Develops conservation measures

Explores and adopts alternative or renewable energy sources

Audits, tracks, advises, and implements conservation measures
Establish Baseline

Track Performance

Monthly Monitoring of Every Facility’s Utilities
(Electric, Natural Gas, Fuel Oil, Water, and Propane)

- Identify poor performers
- Address unfavorable trends
- Communicate favorable trends

2012–13

Ongoing
Our Energy Reduction...

How we’re getting there:

- Major Systemic Renovations with energy efficient sequences and equipment
  - HVAC, Controls, Lighting, Envelope
- Strategic Controls Retrofit
- Strategic Lighting Upgrades
- Standardized District BAS Schedules and Event Schedule Management
- Chiller Plant Operation Review and Optimization
- Automated Unoccupied Run and Override Reviews
Energy Management System Scheduling

Proactive scheduling of heating and cooling—weeknight/weekends.

1,000+ HVAC zones

6,000+ Occupant spaces
(Elementary, Middle, & High Schools)

Isolate air conditioning to occupied areas

Active Managing = Lower Energy Charges
Utility Bill Review
Organizes, maintains, reviews, and approves payment

- 250 Electric & Natural Gas Accounts
- 54 Fuel Oil Accounts
- 25 Propane Accounts
- 200 Water Accounts

$109K in credits due to billing errors in 2018

$30K reimbursed for local and state tax charges
Monitoring Real-Time Energy Usage
Demand Response Program—Enel X, North America

Our 50 largest schools

$1.5M in savings since 2011
Identifying Costly Rogue Equipment Operation

Analytics Driven Energy Conservation Measures (made possible by EnelX DR Platform)

Monitoring real-time electric data in combination with daily Building Automation Data

Before

$370K in Annual Electrical Savings

After
Annual Energy Savings Challenges
(made possible by EnelX DR Platform)

- Participating locations compete to reduce energy consumption during holiday breaks
- Elementary, middle and high schools are recognized

$200K
Electrical savings since 2014
1 of 29 School Districts in the nation
Energy Star Portfolio Manager

Energy Performance

ENERGY PERFORMANCE
Cumulative (vs. Baseline) 17%
Annual (2018) 8%

SECTOR SPOTLIGHTS | K-12 Schools

Challenge Partners with Greatest Energy Savings

School districts and state governments are committed to reducing their energy footprint by implementing energy-efficient practices. The following are some examples of successful initiatives:

- **Fort Collins School District, CO**: The district has reduced its energy consumption by 18% since 2008, saving over $2 million per year.
- **Los Angeles Unified School District, CA**: The district has implemented a comprehensive sustainability program that includes energy-efficient lighting, water conservation, and renewable energy initiatives. As a result, the district has achieved a 25% reduction in its energy consumption since 2010.
- **Aurora School District, CO**: The district has implemented a comprehensive sustainability program that includes energy-efficient lighting, water conservation, and renewable energy initiatives. As a result, the district has achieved a 25% reduction in its energy consumption since 2010.

Leadership in Action

- **Arlington County Public Schools, VA**: The school district has implemented a comprehensive sustainability program that includes energy-efficient lighting, water conservation, and renewable energy initiatives. As a result, the district has achieved a 25% reduction in its energy consumption since 2010.
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EUI and % Improvement vs. Baseline

2013 Baseline 2014 2015 2016 2017 2018
0 25 50 75 100 125 150 175 200
Source EUI (kBtu/ft²)
GOAL

- 2013 Baseline
- 2014
- 2015
- 2016
- 2017
- 2018

- Goal attainment
Strategic Lighting Upgrades

Since 2013...

65 Projects
$350K Annual Savings
$500K BGE Rebates

Before

After
BGE Smart Energy Savers Rebate Program

$2M

Projected BGE Rebates from various major construction and renovation projects since 2012

Eligible Work
- Retrofits of inefficient equipment
- New construction
- Major renovation and remodeling
- New equipment purchases
- Equipment replacements
- Tune-ups of existing equipment and building management systems
Solar Arrays at Ft. Smallwood & City of Annapolis

3+ Megawatts of Solar Energy

Offset of up to 50 BGE accounts for the next 20 years

$4M in savings over the life of the agreements

Equivalent Carbon Emission Reduction as removing 730 passenger cars from the road, each year

Ft. Smallwood Solar PV System

Annapolis Solar PV System
Solar Arrays at Ft. Smallwood & City of Annapolis
First full 12 months of operation...

$215,221 in electric savings
Under Development & Consideration

- Upgrading parking lot lighting at large complexes and facilities
- Upgrading lighting needs
- Installing Interval water meters and plug load management systems
- Investigating rooftop and ground mount solar
- Geothermal energy
Planning Design & Construction

Considerations

- Site Design
- Building Design
- Water Conservation & Management
- Energy Efficiency
- Reduced/Sustainable Materials
- Indoor Environmental Quality
- Quality Assurance & Commissioning
New Construction

- Lothian ES
- Rolling Knolls ES
- Severna Park HS

- Jessup ES
- Arnold ES
- Crofton HS

In Process
Renovations
Additions
Systemic Projects

Upgraded...
• Windows
• Plumbing Fixtures
• Lights
• HVAC
• Roofs
• Building Automation
Thank You