FUTURE CITY COMPETITION
PHILADELPHIA REGION
JANUARY 18, 2020

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Thanks to our long term sponsors!
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Welcome to Future City!
Our students have spent months creating their cities of the future and I am so excited to see the results! I’m especially interested to see how our over 1000 students from 55 schools tackled this year’s theme of guaranteeing a reliable water source for all citizens. Thanks to our many sponsors, including our partners at Archbishop Carroll, our hundreds of volunteers, and our dedicated Steering Committee. Bring on the future!

@FUTURECITYPHL
FUTURE CITY PHILADELPHIA
@FUTURECITYPHILLY

Jennifer Wetzel
REGIONAL COORDINATOR

2020 FUTURE CITY COMPETITION
PHILADELPHIA REGION

SCHEDULE OF EVENTS

8:00 – 9:00 AM
Team Registration and Model Set-up

9:00 – 12:00 Noon
Preliminary Judging

9:00 – 12:00 Noon
Special Awards Judging

12:00 – 1:15 PM
Lunch

1:15 PM
Announcement of Finalists

1:30 – 3:30 PM
Final Judging: Oral Presentations, Questions from Judges

3:30 – 4:30 PM
Awards Ceremony and Announcement of Regional Winning Teams

Also, Thanks to our in-kind donations:
Urban Engineers, Inc. - Program Design
Herr’s - Snacks
Bentley Systems - Student Giveaways
Wawa - Ice Tea, Lemonade, and Fruit Punch
Tasty Baking Co. - Tastykakes

Follow @FC_Philly
#FutureCityPhilly
JOHN KAMPMEYER’S 25TH ANNIVERSARY REMINISCENCES

In 1995, Helen Eck, Susan Best, Jim Cokonis and I on behalf of the Delaware Valley Engineers Week Council applied to become a Regional Future City Competition site. We finally got the approval in the summer and we found we had a tiger by the tail, with all of the details necessary to run a competition of this scope. The big issue was contacting schools since the program was to start with the beginning of the school year. Luckily, the Pennsylvania Department of Education provided us with mailing labels for schools (it was 1995 so no email!).

Despite the late start, we had about 50 schools sign up including 20 from the Philadelphia School District. We didn’t find out until later that an administrator assigned the program to these schools without asking teachers ahead of time. Needless to say, most of them never participated. The Blizzard of ’96 caused some teams to give up, but finally, on a rainy day in January 1996, 17 teams came to the Franklin Institute for the first Philadelphia Regional Future City Competition. Many lessons were learned that day, including models that were too large to fit in their elevators without tilting and changing judging rooms to avoid having to move models along an open roof. We were thrilled that our winning team placed second at Nationals that year.

The program has lasted 25 years and we have had some exciting times along the way: numerous snowstorms on the day of the event (although only one full postponement and reschedule), seven different venues, countless team member changes due to illness, many models needing rebuild after transit, etc.

Those are only a few of my many reminiscences of my 20 years as Regional Coordinator. I have enjoyed all of the efforts and dedication of the Committee and Volunteers.

John E. Kampmeyer, P.E.
Regional Coordinator
1995 - 2015
I participated in the Future City Competition as a 12 year old 7th grader. Throughout the competition, my two teammates and I designed our city on Sim City (Classic!), researched and wrote our essay, and built our city model with at least 5 unique moving parts, lots of old toilet paper rolls, and a bottle of chrome spray-paint.

We spent hours, days and weeks together coming up with a great story about our city - researching the endless possibilities the future could hold, and choreographing our presentation. By the time the national finals was complete - 6 months after we started - I had learned a ton about engineering, teamwork and leadership, hands-on skills, and gained the confidence to stand in front of a room and talk about our work. It was too much fun! I couldn’t imagine doing anything other than engineering after that. Aerospace engineering specifically, because the coolest moving part on our city model was an airplane in a holding pattern circling our city, Fluke.

I really enjoyed the teamwork and leadership aspect of Future City too, so the right path for me was to pursue engineering at the United States Air Force Academy. I reported to Basic Training when I was 17, graduated 4 years later, received two masters degrees in engineering, completed Test Pilot School, and I continue to serve as an engineer in the Air Force.

The Future Cities Competition helped me to develop the soft skills that I have found invaluable in my STEM career. The competition to me is more than just building a model or a city simulation. It involves writing an essay, responding to thoughtfully to questions and presenting, skills I use daily in my STEM career.

More importantly, Future Cities involves working with a team of peers, parents, teachers and engineers. Future Cities was my first experience working with passionate, talented people to achieve something great. Working in teams is a critical life skill which has allowed me to be successful throughout my STEM career. As a father, I look forward to the day that my kids will be old enough to participate in the Future Cities competition themselves.

After high school, I earned my BA in chemistry from Cornell University, PhD in physical chemistry from the University of California, Berkeley, and did a four year postdoc at Rockefeller University. I currently serve as a data scientist for New York City.

The Future City Competition holds a special place in my heart. I participated in the competition when I was in the 7th grade. The experience gave me my first exposure to engineering and science and the skill sets needed to succeed in these fields. The competition gave me an opportunity to engage in problem solving, design, hands-on building as well as oral and written presentation of my team’s work. These skill sets are critical for success in the STEM fields.

In the years since the competition I have went on to pursue a career in the sciences. After graduating from high school, I went on to earn a B.S. degree from University of Maryland in Biochemistry. I then earned an M.S. in Organic Chemistry from the University of California, Irvine. For the past 11 years I have been involved in drug discovery research in the pharmaceutical industry. I am currently working on identifying new treatments for heart failure.

In my view, the two most important qualities needed for success in the STEM field are creativity and perseverance. Applying your creativity is important for problem solving. It is also important to realize that there is a lot of failure in the sciences. It is important to remain positive, learn from your mistakes and continue to persevere until you can accomplish your goal.

-Lt. Colonel Anna Gunn-Golkin

-Daniel Montiel

-Scott Halpern, MS
Suzanne Chiavari, PE
Engineering Director – Treatment and Asset Resiliency
American Water

Suzanne Chiavari serves as an Engineering Director for American Water, the nation’s largest investor owner water & wastewater utility. In this role, she is one of the company’s technical experts in areas of critical importance to the company’s water and wastewater operations. Her expertise includes building resiliency and managing critical infrastructure. Most recently, she has led American Water’s effort to develop a lead service line replacement program and has participated in the Lead Service Line Replacement Collaborative. Ms. Chiavari holds a BS in chemical engineering and an MS in environmental engineering from Drexel University. She serves on the South Jersey board of Junior Achievement NJ, and Drexel University’s President’s Council on Energy and the Environment. Ms. Chiavari was named a Woman of Distinction by the Philadelphia Business Journal and named to Drexel University’s College of Engineering Alumni Circle of Distinction. She often volunteers her personal time and energy to promote interest in STEM careers. Ms. Chiavari was one of our Model and Presentation Judges for our first competition in 1996 and for the next few years was our Volunteer Coordinator. Welcome back, Suzanne.

Robert Hicks
Chief Operating Officer
Delaware River Port Authority

Robert Hicks is the Chief Operating Officer for the bi-state Delaware River Port Authority (Pennsylvania and New Jersey). He is an internationally recognized expert on transportation, technology, infrastructure, urban policy and planning issues having spoken and moderated sessions at the American Public Transit Association, National League of Cities, National Association of Counties, Mayors’ Asia Pacific Environmental Summit and United Nations and World Bank conferences just to name a few. He recently consulted as a Sr. Policy Advisor on international transportation and trade matters for the Secretary of Transportation, U.S. Department of Transportation. He earned a Bachelors of Science in Civil Engineering from Howard University and Masters in Engineering Administration from The George Washington University. Mr. Hicks is a native of Philadelphia.

Joseph R. Syrnick, PE, PLS
President & Chief Executive Officer
Schuylkill River Development Corporation

Joseph Syrnick is President & Chief Executive Officer of the Schuylkill River Development Corporation (SRDC), the lead agency for the redevelopment of the Tidal Schuylkill River. In partnership with public and private agencies, institutions and corporations, SRDC’s core mission is to reconnect the river to the life and fabric of the city and region. Mr. Syrnick came to SRDC after a 34-year career with the City of Philadelphia, where he was Chief Engineer & Surveyor. He served 18 years as a Commissioner of Fairmount Park and is a member of the Philadelphia City Planning Commission where he currently serves as Vice-Chair. Mr. Syrnick is a graduate of Drexel University (BS in Civil Engineering in 1969; MSCE in 1971). He was 1997 Delaware Valley Engineer of the Year. Mr. Syrnick is a native Philadelphian and lives with his family in Roxborough. Mr. Syrnick was one of our Finals Judges for our first competition in 1996 and has continued to serve in that role for almost all of our competitions. Thank you, Joe, for your long-time service.
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<tr>
<th>TABLE NO.</th>
<th>SCHOOL</th>
<th>STUDENTS</th>
<th>MENTOR</th>
<th>CITY NAME</th>
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<tr>
<td>1</td>
<td>All Saints Catholic School</td>
<td>Charlie Brecht, Olivia Piorkowski, Sarah Ross,</td>
<td>Matthew Harris, Wilmington Dept. of City Planning &amp;</td>
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<td>Elsmere, DE</td>
<td>Brianna Tokarski</td>
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<td>Mr. Brandon Dougherty, Ms.</td>
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<td>Susan Small</td>
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<td>2</td>
<td>Beverly Hills Middle School</td>
<td>Ivsan Chowdhury, Allan Guerra-Lucero, Tyler</td>
<td>Thomas Mitchell, PE Urban Engineers</td>
<td>Rua Hapori</td>
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<td>Upper Darby, PA</td>
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<td>Mr. Kevin Stephan</td>
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<td>Blair Christian Academy</td>
<td>Kalisha Hall, Caleb Smith, Jada Boynton, Endiya</td>
<td>Derrick Whitaker, PE Burns Engineering</td>
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<td>Ms. Willette Whitaker</td>
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<td>4</td>
<td>Central Jersey College Prep</td>
<td>Saahithi Madiwada, Varun Ramanathan, Sohum</td>
<td>Jimi Patel, Becton Dickinson</td>
<td>Delta Land</td>
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<td>Somerset, NJ</td>
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<td>Ms. Nima Amin</td>
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<td>Cinnaminson Middle School</td>
<td>Leela Colley, Sean Gilmore, Andrew Mozi, Bharat</td>
<td>Orla Pease, PE AECOM</td>
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<td>Mr. Garwood Bacon</td>
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| 6       | Collingswood Middle School                   | Tonio Guglietta  
Astrid Lobanov  
Lilia Shinkarow  
Paul David Bogan, III | Douglas Robbins  
AECOM | Paradise Valley |
| 7       | Downingtown Middle School                    | Paige Halton  
Bridget Rymer  
Faith Tuffner  
Jasmine Michel | Tom Chmielenski  
Bentley Systems | Nymphaea         |
| 8       | Drexel Hill Middle School                    | Sophie DeMott  
Alice Dobbins  
Rita Dobbins  
Jack Ford | William Waldron  
AT&T | Kibotoshi        |
| 9       | East Norriton Middle School                  | Mackenzie Keller  
Alexandra Carpenter  
Alana Echevarria  
Sarah Dewane-Malinoski | Jennifer Warren, PE  
Langan | Mustaqbalina     |
| 10      | Great Valley Middle School                   | Dean Dessender  
Brighton Risch  
Jacob Taylor  
Nikhil Kotikalapudi | Garrett Browning, PMP  
Project Management Institute | Terra Alba       |
| 11      | Holy Angels                                  | Dominic Ingle  
Emma Shaner  
Caroline Shelman  
Mckenzie Roy | Mark Neimeister  
Water Department  
City of Newark | Angel City       |
| 12      | Holy Rosary Regional School                  | Danica Borzillo  
Ella Peticca  
Ava Valleau  
Hudson Haley | Judi Subers, CEP  
Tara Pasca  
Concord Engineering | The City of Thirteen |
| 13      | Independence Charter School                 | Imara James  
Anna Diemer  
Xen Gadsden  
Bamba Babou | Amber Reimnitz  
Michael Baker | Schanneville     |
| 14      | J.R. Fugett Middle School                    | Matias Guzman-Scherenberg  
Sneha Mahadevan  
Nathaniel Mullin  
Sophia Fu | Carlos Guzman  
Apple Leisure Group | Saka Danu        |
| 15      | Lehighton Area Middle School                 | Isaac Carpenter  
Emma Bonser  
Aidan Albert  
Asa Andrew | | Indians          |
| 16      | Lionville Middle School                      | Ramy Elgindi  
Simran Sahoo  
Naishu Vydia  
Camille Klingen | Daisy Adams  
Bentley Systems | Adaloquo         |
| 17      | Maria Kaupas Academy                         | Julia Bergman  
Dominic Huffman  
Judah Donnelly  
Bruno Letler | Matthew O’Donnell | Guadalupe City  |
| 18      | Montgomery County OIC                        | Jada Healy  
Tiyonna Hollinger  
Tahsean Wright | | Celebration City |
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<td>TJ Gannon, Aidan McCarel, Isabella Cooper, Jacqueline Perry</td>
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<td>Mount Aviat Academy</td>
<td>Lillian Beverung, Elizabeth Drost, Gavin Patterson, Hannah Trainer</td>
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<td>Vannby</td>
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<td>21</td>
<td>Murray Avenue School</td>
<td>Maggie Ruan, Samantha Horsnall, Mia Peng, Julie Zesinger</td>
<td>Greg Jakubowski, Fire Planning Associates, Inc.</td>
<td>Peppopolis</td>
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<td>New Hope Solebury Middle School</td>
<td>Rayna Phewani, Willard Tresler, Maria Kesisogolou, Theo Petrey</td>
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<td>Mukjizat City</td>
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<td>Peirce Middle School</td>
<td>Grace Hutto, Elle Price, Lauren Zisk, Avery Wood</td>
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<td>Sumaiyya Griggs, Abner Roberts, Charlie Tong, Marissa Prescod</td>
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<td>Queen of Angels Regional Catholic School</td>
<td>Maximo Machado, Pheodora Kasmer, Zoey Lanahan, Sarafina Keefe</td>
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<td>Sacred Heart School</td>
<td>Ema Greenwood, Kaitlyn McCann, Connor Reynolds, Declan Cleary</td>
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<td>St. Anastasia School</td>
<td>Theresa Stolarczyk, Kevin DeAngelo, Chase McKeown, Danny Lain</td>
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<td>St. Andrew School</td>
<td>Skylar Dittbrenner, Eric Dougherty, Jillian Elefante, Sameeha Ershad</td>
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<td>Canal d’amour</td>
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<td>Luke Brandi, Brennan Dillenbeck, Brian Raskauskas, Daniel Brady</td>
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<td>Gemma Pacificus</td>
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<td>Molly Cherico, Kelly Gallagher, Giovanni Merona, Santiago Sanchez</td>
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<td>Gianna Hawkins, Khorron Mack, Mataya DeLeo, Sienna Kelly</td>
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<td>Mamadouh Bah, Jonathan Harris, Alex Rojas-Romero, Elijah Salas</td>
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<td>Stratford Friends School</td>
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<td>Lunal Khuon, AIA Always By Design, Architecture</td>
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<td>Michael Tharin, Mahki Hinton, Shannon Buffill, Amanda Callison</td>
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<td>Friends of Thomas and Julie Gennaro</td>
<td>Most Innovative Power Grid</td>
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<td>Gilbane Building Company</td>
<td>Attention to Construction Details</td>
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<td>Jennifer Wetzel</td>
<td>Outstanding First Year Team</td>
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<td>Best Essay</td>
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<td>Nancy Hall</td>
<td>James G. Hall, PE Memorial</td>
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<td>Best Coordination of Engineering Disciplines</td>
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<td>Sally and John Kampmeyer</td>
<td>Attention to Engineering Education</td>
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<td>Creative Application of Civil Works</td>
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<td>Thomas and Julie Gennaro</td>
<td>Technics and Civilization</td>
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THANKS TO ALL OUR VOLUNTEERS & JUDGES!

Kelsey Addeo - CVM Engineers
Anthony Addeo - IPS-Integrated Project Services
Chris Altum - CRB
Arun kumar Arumugam - IQVIA
Satyabrata Babu
Christy Batchelor - STV Incorporated
Monica Bersani - Philadelphia Gas Works
Marcus Besser - Penn State University - Abington College
Aubrey Blackman - Urban Engineers, Inc
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Susan DiPaolo - International Society of Automation (ISA)
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Catherine Federico - AECOM
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Steven Goodsell - HDR Engineering
Dennis Gross - Pennsylvania Drug Discovery Institute
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Marie Hagerty
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Samuel Herb - JAOMAD Consultancy
John Hilditch - Exelon Corporation
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Ryan Long - Federal Transit Administration
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Molly McAtee - Villa Joseph Marie High School
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Dorish Nguyen - Lockheed Martin
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Joe Palombit
Ryan Pekarsky - Target Building Company
Andrew Potts - Jacobs
Sarita Priyadarshi
Kristina Pumphrey - Precis Engineering/ ISPE
Yue Qi - Villanova University
Matthew Reese - Urban Engineers, Inc.
Alex Reiner - HNTB
Alicia Rinkus
John Rinkus

Chris Rood, PE - AECOM
Valerie Ross - Jacobs
Anthony Sandone - ISA Philadelphia Section
Suzette Schultz - AstraZeneca (Retired)
Mary Schweiker
Barry Seymour - DVRPC
Peter Silverberg - Willowdale Enterprises
Helen Silvis, CEM - Energy Systems Group
Anita Singh
Matthew Snyder - CRB
Scott Sommer, PE - Horizon Controls Group
Rob Spitz - H & H Systems
Allan Stock - Arora Engineers
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Soujanya Tirumalai - AECOM Technical Services Inc
Liz Trumbull - Eastern State Penitentiary Historic Site, Inc.
Roman Ventura - Datwyler Pharma Packaging International
Xinliang Zhang - Villanova University
Chuanming Zhang - Jacobs Engineering
85% of Future City participants see math and science in their future.

57% said Future City helped them in their other classes.

83% reported they learned how to use problem solving to address real-world problems.

68% said they could see themselves as engineers someday.

89% reported that they have a new appreciation for the engineering and planning that goes into a city.

75% said it boosted their self-confidence.

Did You Know...

Judges, mentors and general volunteers are needed for the 2021 Future Competition!

https://www.futurecityphilly.org/fcvolops.html
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This event relies on the financial support of local companies, technical societies, and individuals. Our annual competition costs are approximately $40,000 per year. We need continuing support of our past sponsors and we need new sponsors at any level so that we can continue to increase the reach of the Future City Competition - Philadelphia Region.

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Vision
The PMI Delaware Valley Chapter will be recognized as a dynamic organization of project management professionals dedicated to serving the business and educational community of Delaware Valley Chapter through the advancement of project management.

Mission
The PMI Delaware Valley Chapter will provide a forum for project management professionals to promote the principles of the Project Management Institute through networking with other project management professionals, sharing project experiences, providing and receiving training, and supporting project management professional in their certification efforts.

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Skanska is proud to sponsor the Philadelphia Region’s 25th year of participation in the Future City Competition.
Congratulations Tom and Julie Gennaro on your well-earned retirement!

You have had an incredible impact on the lives you have touched. Your family, friends, and community wish you all the best!

Love,

Your children: Thom, Ann, and Paul
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