



Kevin J. Murphy
City Manager

December 29, 2017

Members of the City Council

RE: Sustainability Council Appointment

Dear Members of the City Council:

Pursuant to the authority vested in me as City Manager under Chapter 9, Article XI, §9-40, I am appointing Cormac Hondros-McCarthy of 12 W. Albert Street, Lowell, MA 01851 to a two year term to the Sustainability Council which term shall expire on January 2, 2020 or until such time thereafter as a successor is appointed and qualified.

Under the above-referenced code, confirmation by the City Council is required for this appointment.

I would be happy to answer any inquiry you may have concerning this appointment. I have attached his cover letter and resumé for your review.

Very truly yours,

Kevin J. Murphy
City Manager

Encl.

cc: City Clerk
City Council
City Auditor
Human Relation Manager

MIS
Sustainability Council
Diane Tradd Asst. City Mgr/Dir DPD

Boards/sustainability

Lowell Sustainability Council - Cover Letter

Cormac Hondros-McCarthy

To whom this may concern,

As a resident and lowell-raised citizen, I've learned to see a small sliver of what the city has to offer. Looking around, I see a community that genuinely cares about the history, as well as the preservation of the city. We have not always made decisions with sustainability in mind, and I think the reasoning may have been due to the lack of knowledge of the importance, and repercussions of these decisions. As someone with a background in engineering, I'm always learning about new technologies, how they can be applied, and their ability to positively change the way we live. A major goal of mine is to apply myself in the most efficient and needed way possible to the group to help facilitate the bright future that lowell has ahead of itself. There's a lot that can be done, and I'm excited to be a part of it!

Sincerely,

Cormac Hondros-McCarthy

Cormac Hondros-McCarthy

12 W Albert St. Lowell, MA
[REDACTED]

Education

Bachelor of Science, Plastics Engineering, University of Massachusetts, Lowell, MA

Engineering Experience

Lead Manufacturing Engineer DEKA Research & Development **Nov 2016 - Present**

- Designed process to facilitate 510K filing
- Developed design to assemble an arthroscope with a 1mm OD multi-staged lens to be mated to a camera sensor centered within 6 microns
- Designed fixtures and equipment in preparation for the transition to a Contract Manufacturer
- Researched and implemented different polymer materials for use in the final product design

Manufacturing Engineer OMNI Life Science, Inc. **Feb - Nov 2016**

- Heading multiple new implant products
- Created timelines and achieved goals on outstanding projects
- Implementing Kaizen and Lean Manufacturing techniques on projects
- Solving failed packaging issues with a redesign
- Working with vendors to supply project needs

Capstone Masela Dental **Sept 2014-Dec 2015**

- Co-Founder of innovative affordable denture solution
- Engineering Innovation Award at DifferenceMaker Engineering Competition
- Network with high profile figures in the field of dentistry and medical devices

Co-op SMC Ltd. Sterling MA **May 2014- Sept 2015**

- Conduct a Design of Experiment for cracking part issue for Phillips Medical

Co-op Sigma Plastics Services, Schaumburg IL **May- Sept 2013**

- Complete full projects from evaluating simulation to writing reports for customer

Technical Skills

- **Testing**- Injection Molding, Extrusion Blow Molding, Single and Twin Screw Extrusion, Capillary Rheometry, Thermogravimetric Analysis, Differential Scanning Calorimetry
- **Software**- SIGMASOFT, SolidWorks, Moldflow, MasterCam

Academic Projects

River Hawks Racing Club, Society of Automotive Engineering (SAE) **Sept 2012- Sept 2014**

- Member of competitive racing team designing and constructing all-electric racecar

Mold Design

- Design "FlexiCube", insert and ejection in SolidWorks

Interests and Activities

- Restoring a 1993 Range Rover Classic and 1983 Mercedes-Benz 300SD
- Member of Lowell Sustainability Council - Electric Bus & Solarize Lowell Initiatives