

Project Timeline

- 1.** We will decide on an electrical application to supply salvaged energy to. (10/10/2016 - 10/14/2016)
- 2.** Once necessary power outputs are decided on, the team will decide on an optimal surface to place the thermoelectric generator on. (10/17/2016 - 10/21/2016)
- 3.** The team will then get accurate measurements for surface temperature and ambient temperature at the chosen location. (10/24/2016 - 10/28/2016)
- 4.** An accurate ΔT will then be calculated and a TEG will be decided upon based on their operating range, power output, and efficiency. (10/31/2016 - 11/18/2016)
- 5.** Electrical engineers will start analysis of chosen electrical device and begin preliminary calculations/troubleshooting on how to interface the power with the device. They will begin prototyping the interface. (11/7/2016 - 11/25/2016)
- 6.** Mechanical engineers will start thermal analysis of the surface and TEG. (11/28/2016 - 12/09/2016)
- 7.** Electrical Engineers will start the fall semester by begin prototyping a heat sink to generate the maximum change in temperature. (1/19/2016 - 2/12/2016)
- 8.** The team will collaborate based on findings and move forward with prototyping. (1/19/2016 - 2/12/2016)
- 9.** Once the prototype is completed, testing will be done and modifications will be made so that the TEG is modular. (2/12/2016 - 3/28/2016)
- 10.** After lab testing is complete, the team will begin the process of applying the TEG on the chosen surface and the steam plant. (3/28/2016 - 5/6/2016)