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E90 Topic Selection Memo
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This senior design project will seek to design a scale model of a dam that will simulate engineering behaviours of a full-size dam.

Facilities has agreed to allow us to construct and store the model in a locked area of the basement of Wharton. The model will consist of a pool of water, a simulated dam structure, and a power generation turbine.

Principal considerations will include:

- Materials selection to simulate behavior of full-size dam design components
- Modeling of geotechnical considerations
- Casting and/or construction of those components
- Power generation in low-head applications