

Economic Impact of Nutrient Removal Standards

City of Dover

Discussion Materials

Preliminary, Subject To Revision

February 2011

Applied Economic Research

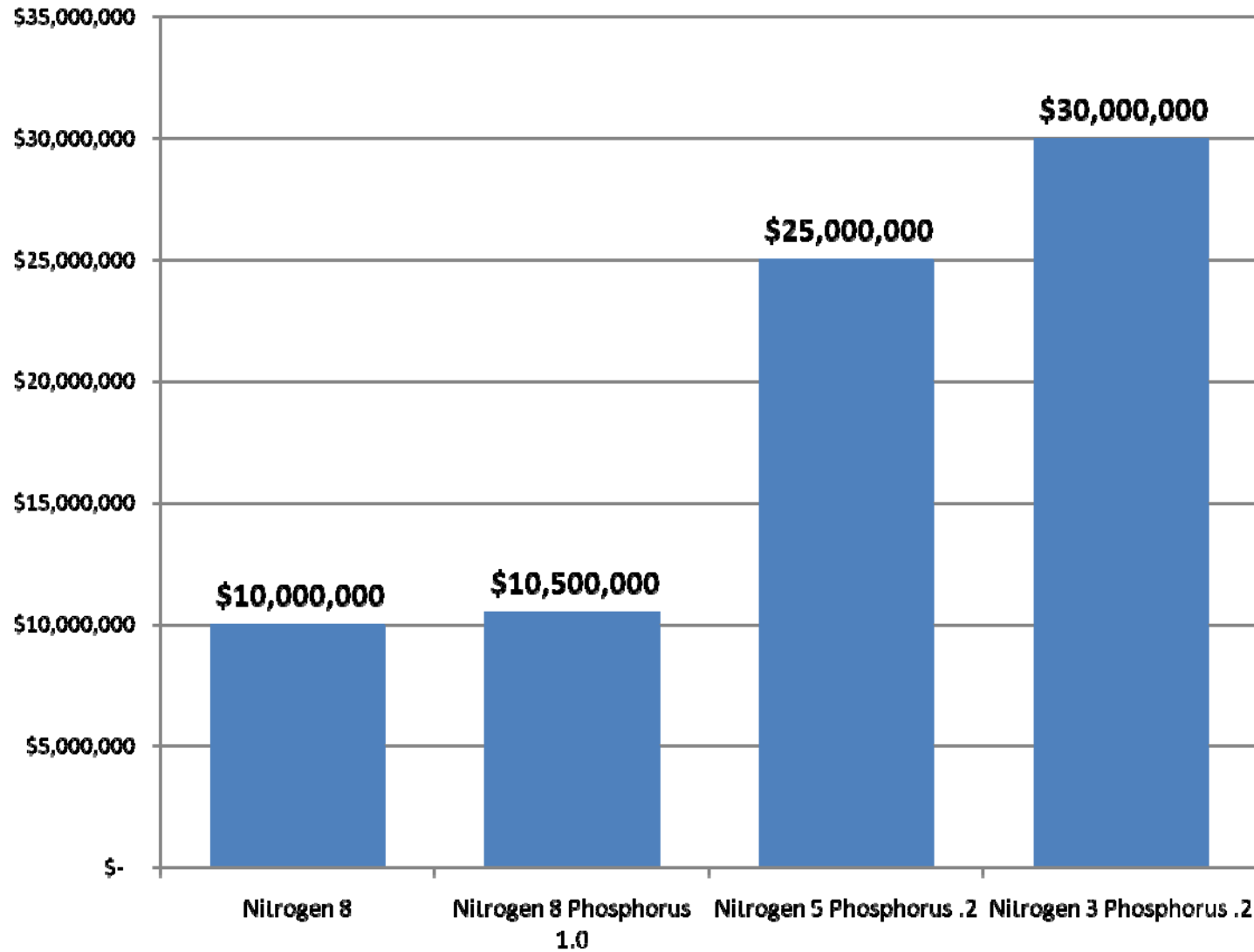
Laconia, New Hampshire



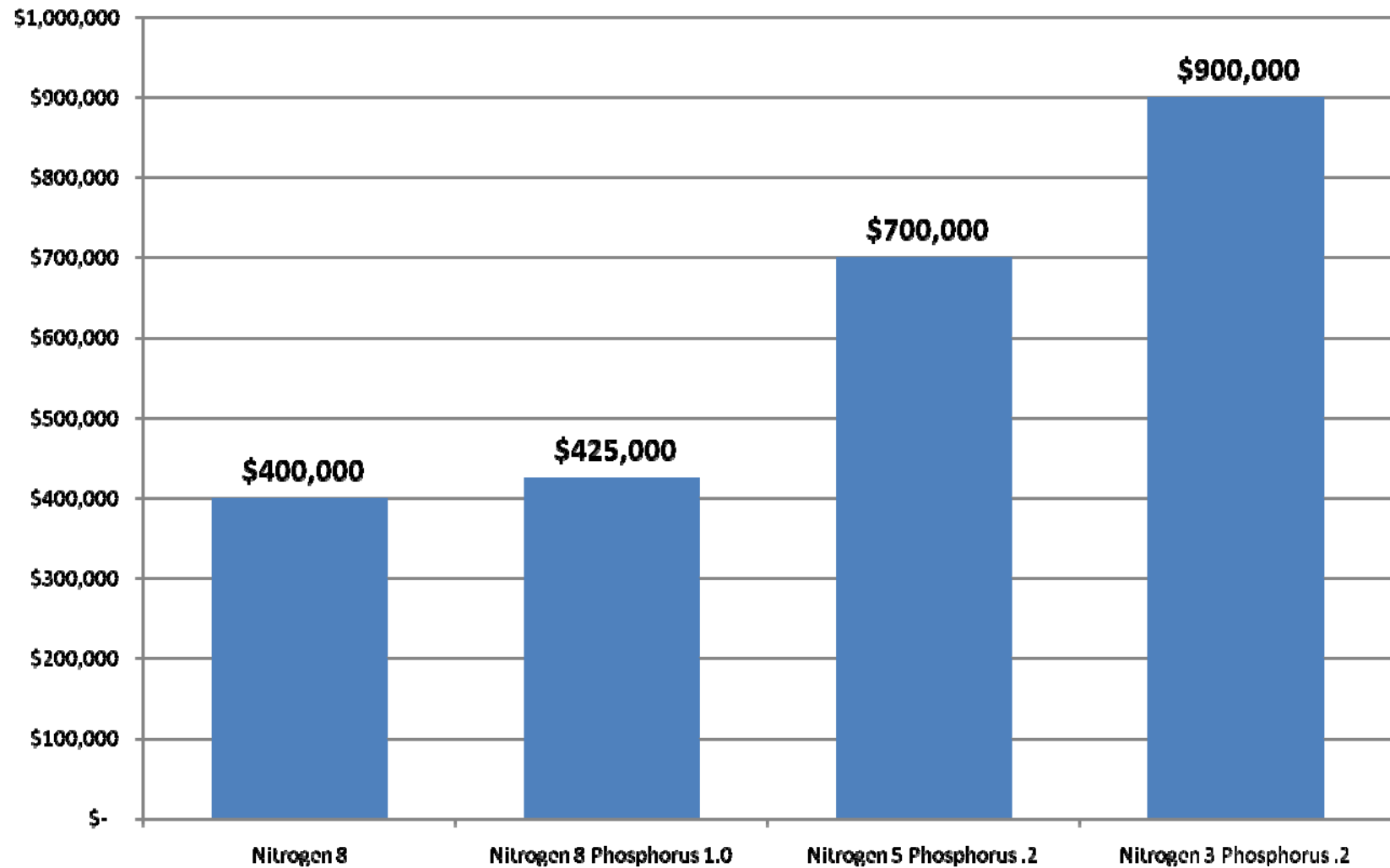
Background

- Regional study examining economic costs of nutrient removal in Dover, Rochester, Portsmouth, Durham, Exeter and Newmarket;
- To inform citizens and elected officials;
- To evaluate EPA exception criteria;
- Remains preliminary: costs/technology are in flux and emission standards are unclear—more “what if” than “what will be”;
- Focusing tonight on Dover.

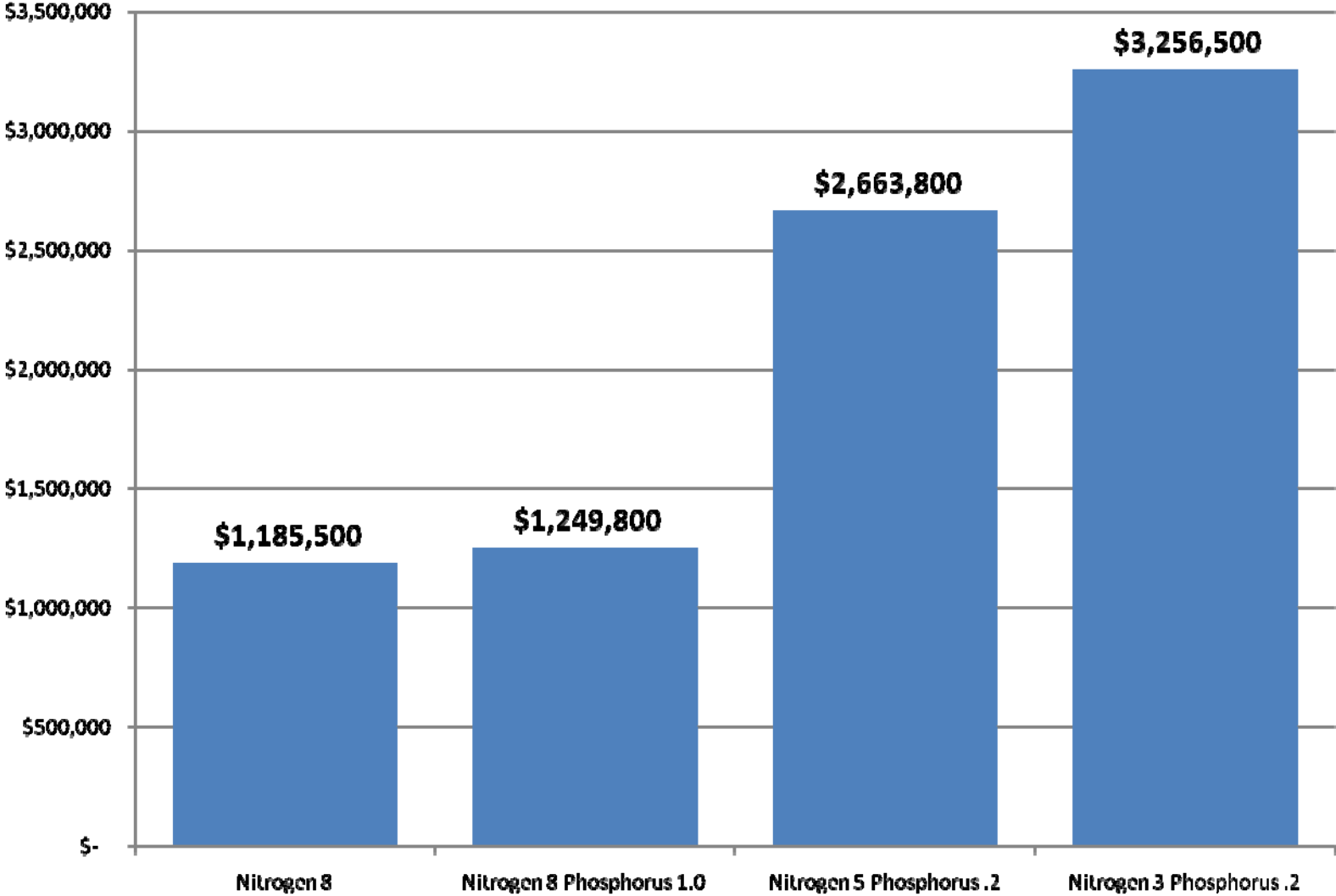
Preliminary Capital Cost Estimates



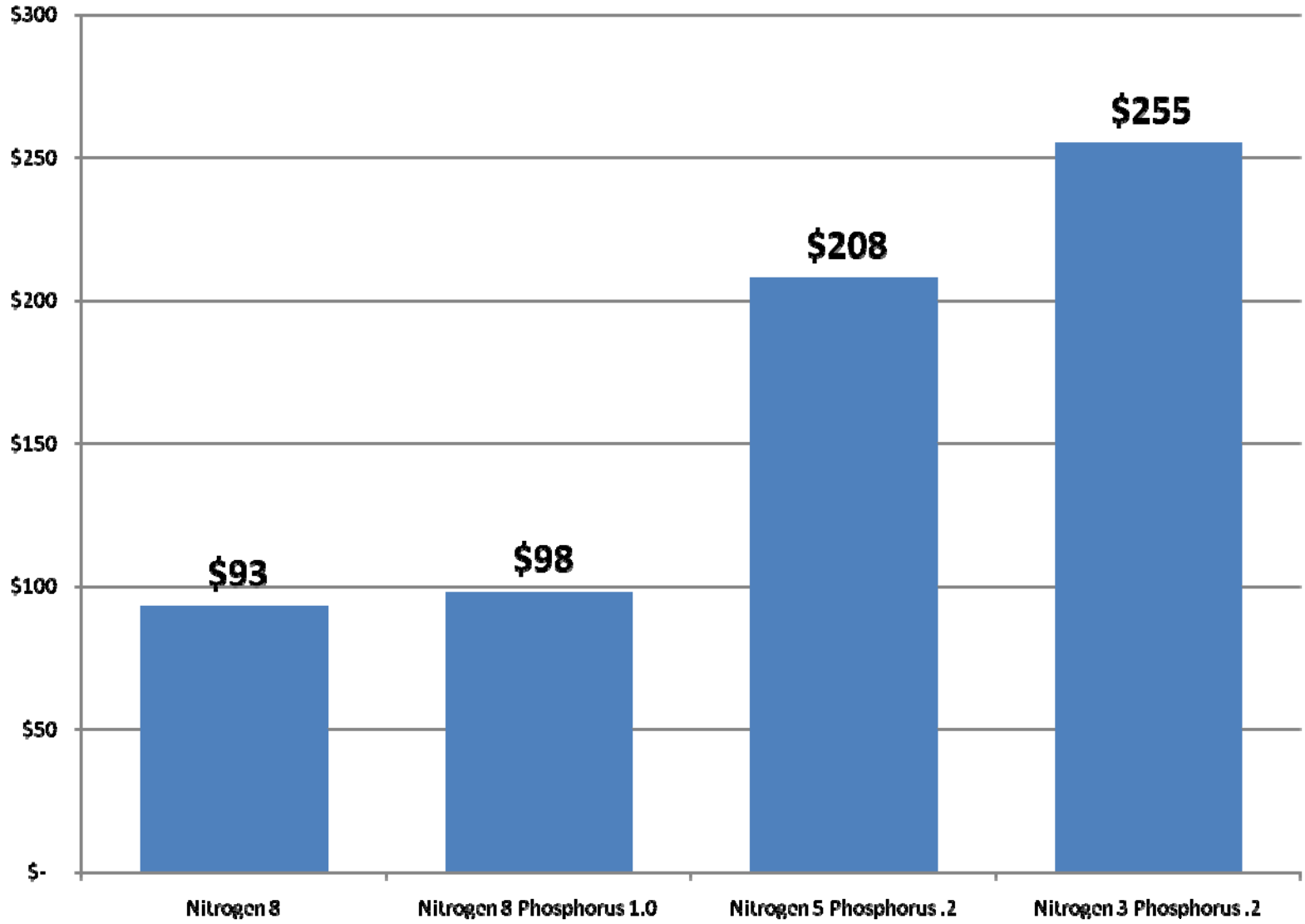
Annual Increase in Operating Expenses



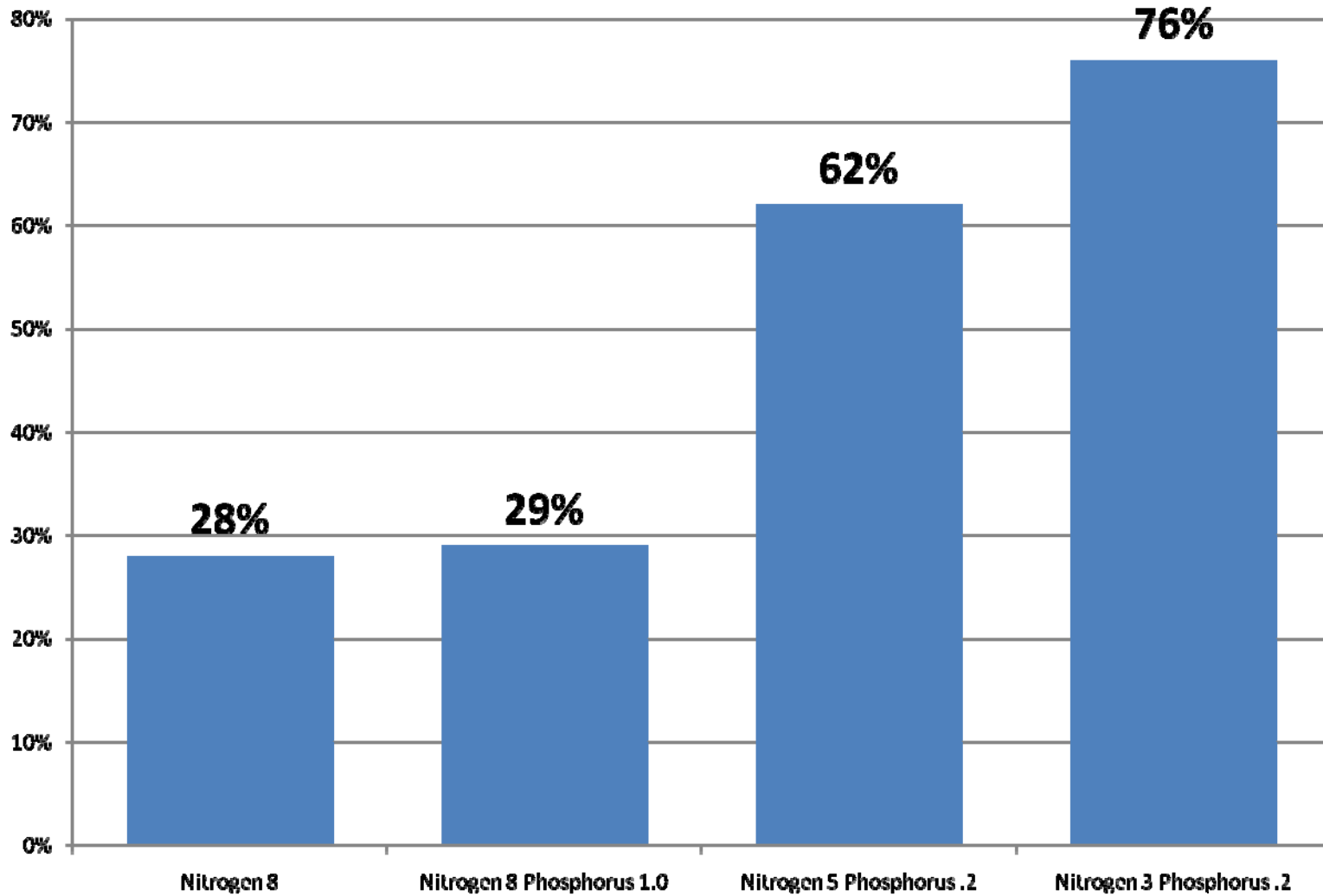
Annual Costs including Debt Service



Preliminary Additional Cost per Household



% Increase is Sewer Rates



Total Cost Over 20 Year Project Life

