

# Ben Norman

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Ben Norman joined Harvey Economics (HE) in July of 2008 and is currently a Senior Associate with the firm. Mr. Norman's work at Harvey Economics includes analysis of the impacts of small and large water projects and other industrial developments to local resources. He also analyzes economic and demographic data, develops financial models and performs critical evaluations of existing research. In addition, Mr. Norman brings experience in cost-benefit and financial analysis, econometric modeling and forecasting to the Harvey Economics team. Moreover, he is skilled in strategic planning and project organization.

## Relevant Experience

- **Lake Ralph Hall EIS.** Mr. Norman is contributing to this Environmental Impact Statement for the Upper Trinity Regional Water District and Fort Worth Corps of Engineers. Mr. Norman has projected the population and water use for exurban and rural areas north of Dallas. He is currently analyzing demographic and socioeconomic data for the EIS. His analysis will include the impacts of a variety of alternatives and the environmental consequences of each alternative on the local area.
- **Saguache Solar Power.** As part of a broader determination of the total benefits of the construction of a concentrating solar power plant in the San Luis Valley area of Colorado, Mr. Norman ascertained the value and socioeconomic benefits of avoided transmission line power losses due to the shorter distance the power will now have to travel to get to the final consumer. Mr. Norman determined the value and socioeconomic benefits of the generation capacity no longer necessary due to avoidance of these losses as well.
- **Navajo Generating Station.** Mr. Norman evaluated the impact on the Gila River Indian Community (GRIC) of the EPA imposing BART regulations on the Navajo Generating Station (NGS). The NGS provides the power used to deliver water to the GRIC under their water rights settlement, as well as providing monies (from excess power sales) towards an Indian development fund. Mr. Norman modeled the impact of each BART alternative on the cost of producing power at the NGS, which affects both the cost of delivering water and the amount of monies available for the fund. In addition, Mr. Norman modeled the impacts to GRIC agriculture of increased water costs due to increased power production costs at the NGS.
- **Visual Impact Study.** For the Ontario Ministry of Agriculture, Mr. Norman contributed to a study that considered the possible reduction of visual and olfactory impacts from pig farms by the planting of trees along farm perimeters. He also completed a cost/benefit analysis to determine project feasibility.
- **Halligan Water Supply Project EIS.** Mr. Norman is currently working on an Environmental Impact Study for the Halligan Water Supply Project, focusing on a reservoir located in the northern Front Range of Colorado. Mr. Norman gathered baseline socio-economic and agricultural data for the areas potentially affected by the project. Mr.

## Ben Norman (Continued)

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Norman has also evaluated, described and quantified the socioeconomic and agricultural impacts of the project on those areas.

- **Dahla Dam.** Mr. Norman recently evaluated costs and benefits of repairing and improving a dam in the Kandahar province of Afghanistan. The dam provides nearly all the irrigation water for a major crop producing area of the country. Mr. Norman collected all the costs associated with the dam improvement and projected the benefits to the local and country-wide economy. The focus of his work was on the employment and income benefits as part of the overall economic impacts.
- **Rural Douglas County Water Plan.** Mr. Norman estimated the future water demand and supply for a proposed regional water system for portions of unincorporated Douglas County, Colorado. Mr. Norman prepared population and water demand projections. He also examined the financial impact of reduced access to groundwater and the economic benefit of its replacement by a sustainable surface-supplied regional system. Mr. Norman conducted a financial feasibility study to determine the ability to pay for the proposed system as well.
- **Star Valley Regional Water Plan.** Mr. Norman completed a project for the Wyoming Water Development Commission to establish the financial feasibility of creating a regional water system in the Star Valley area of Wyoming. The study involved evaluating the existing water supply systems, a financial analysis of the various regional water system options, and outlining tap fees and water rates.
- **Lake Columbia EIS.** Mr. Norman is working on the Environmental Impact Statement for the Angelina & Neches River Authority and the Fort Worth Corps of Engineers. The project concerns the construction of Lake Columbia. Mr. Norman evaluated the purpose and need, affected environment and socioeconomic sections of the previous EIS. Mr. Norman is currently projecting the population and water demand for the proposed service area of Lake Columbia.

### Education

Master of Science, Agribusiness (2000)

University of Melbourne, Institute of Land and Food Resources, Melbourne, Australia

Bachelor of Science, Agricultural Economics (1997)

University of Guelph, Ontario Agricultural College, Guelph, Canada