

MN Cost-Effectiveness Advisory Committee

Tracking Sheet

Updating/Quantifying Utility System Impacts (USI) and Non-Utility System Impacts (NUSI)

Updated: 27-Jan-25

USI / NUSI	Impact	Source	General Information	Value	Link	Relevance / Additional Notes
NUSI	Economic and Jobs	Economic Impacts of the 2013-2018 Conservation Improvement Program - Macroeconomic Impacts and Cost-Effectiveness	Study provides estimates of broad-based economic impacts of DER investments. Unclear whether can be used to develop system-wide economic impacts metric.		https://mn.gov/commerce-stat/pdfs/20210128_cadmus_economic_impacts.pdf	Perhaps better to encourage firm that obtains contract for Conservation Applied Research and Development Grant Program Economic Impact Analysis of the Energy Conservation and Optimization (ECO) Program (COMM-ECO02-20240709), 8/20/24 to estimate values that can be included in MN Test.
NUSI	Economic and Jobs	Understanding the true benefits of both energy efficiency and job creation," Community Development Innovation Review, Casey Bell, 2014	Reviewing		https://www.frbsf.org/wp-content/uploads/cdir_vol10issue1-Understanding-the-True-Benefits-of-Energy-Efficiency-and-Job-Creation.pdf	This one says: "While ACEEE is in the process of establishing a generally accepted method for verifying job creation from energy efficiency investments, to date there is no standard approach." Have we looked for that? It's been 11 years...
NUSI	Economic and Jobs	Putting renewables and energy efficiency to work: How many jobs can the clean energy industry generate in the US, Nov. 2009	"Provides an Excel-based analytical model for the US power sector designed to estimate net employment impacts under various user-defined energy supply scenarios for the 2009–2030 timeframe. The model synthesizes data from 15 job studies covering renewable energy, energy efficiency, carbon capture and storage and nuclear power in addition to coal and natural gas."		https://rael.berkeley.edu/wp-content/uploads/2015/04/WeiPatadiaKammen_CleanEnergyJobs_EPolicy2010.pdf	
NUSI	Economic and Jobs	Maryland Unified Benefit-Cost Analysis (UBCA) Framework for Distributed Energy Resources - Maryland PSC - Case No. 9674, Work Group Report May 17, 2024	<i>"while there can be value in quantifying net changes in economic development and jobs to inform regulatory decisions on DER investments – when state energy policies suggest such that economic growth and job creation are important objectives – such quantification should be separate from benefit-cost calculations of DER net benefits or benefit-cost ratios rather than mathematically added to BCA impacts."</i>		https://www.nationalenergyscreeningproject.org/wp-content/uploads/2024/06/Workgroup-Report-Case-9674-MD-UBCA-Workgroup-Final-Report.pdf	
NUSI	Other Environmental - Water Savings	NESP Database of Screening Practices	The DSP references a single study that provides the source data for jurisdictions related to water savings. "Applying Non-Energy Impacts from Other Jurisdictions in Cost-Benefit Analyses of Energy Efficiency Programs: Resources for States for Utility Customer-Funded Programs"		https://www.nationalenergyscreeningproject.org/gated-downloads/	
NUSI	Other Environmental - Water Savings	Applying Non-Energy Impacts from Other Jurisdictions in Cost-Benefit Analyses of Energy Efficiency Programs: Resources for States for Utility Customer-Funded Programs	Study includes references to additional studies that focus on participant/customer water savings impacts. No primary information in the study.		https://emp.lbl.gov/publications/applying-non-energy-impacts-other	
NUSI	Other Environmental - Water Savings	Arkansas TRM – v9.1 (2022), p. 80.	<i>"Protocol L.2 uses the marginal retail water rates and average water sewage rates (both on per-gallon basis) to residential and commercial consumers to calculate a statewide, average proxy value for all avoided water usage benefits to be considered under Order No. 30."</i>		https://apsc.arkansas.gov/wp-content/uploads/AR_TRM_V9.1_Volume_1_2_and_3_on_8-31-22.pdf	Relevance: This is problematic because NUSI environmental impacts should be quantified at the system (societal) level. Looking into studies that quantify externality aspects of water impacts that DERs can affect.
NUSI	Other Environmental - Water Savings	Avoided Energy Costs in Maryland Assessment of the Costs Avoided through Energy Efficiency and Conservation Measures in Maryland (April 2014)	Reviewing		https://www.ilsag.info/wp-content/uploads/SAG_files/Subcommittees/PA-TRC_Subcommittee/6-16-2015_Meeting/Followup_Documents/AvoidedEnergyCostsinMaryland1.pdf	Relevance: This is problematic because NUSI environmental impacts should be quantified at the system (societal) level. Looking into studies that quantify externality aspects of water impacts that DERs can affect.
USI	Environmental Compliance - Gas	EPA's Final Rule to Reduce Methane and Other Harmful Pollution from Oil and Natural Gas Operations (December 2023)	Reviewing		https://www.epa.gov/controlling-air-pollution-oil-and-natural-gas-operations/epas-final-rule-reduce-methane-and-other	Current MN Test value = 1.40% adder. Consider updating.