

Request for Technical Support Contractor Approval

1. Review Evaluations, Conservation Resource Assessments and Other Research Done in the PNW and Elsewhere Since the 5th Power Plan. The purpose of this work would be to identify and synthesize program and project impacts evaluations, market characterization studies and technology assessments to obtain updated cost and savings data. The results of this work will be used to update the RTF's cost-effectiveness assessments for deemed and deemed calculated measures and inform the Council's and utility conservation resource potential assessments.

This funding request will cover the development of the initial work scope, including the identification of potentially useful evaluations as well as project management. Cooperative funding will be solicited from BPA, utilities and SBC Administrators in the region. Potential targets for review include, but are not limited to:

- Commercial Retrofit Program Impact Evaluations
- Commercial New Construction Program Impact Evaluations
- Residential T-stat savings (NStar research)
- Home energy monitors (Canadian research).
- Hotel room door interlock devices.
- Food & cooking equipment for commercial kitchens
- Tankless water heaters electric and gas both
- Marginal avoided value of T&D capacity deferral savings
- CALMAC impact evaluation and market characterization research
- PNW Utility and SBC impact evaluation and market characterization research
- Other evaluations and market characterization research

Amount Requested: Contract Not to Exceed \$35,000

2. Emerging Technology and Practice Scoping. The purpose of this work would be to identify measures, practices or applications judged to be sufficiently "available and reliable" for inclusion on the RTF's list of eligible efficiency measures and to be considered in the Council's 6th Power Plan and next round utility Integrated Resource Plans. This project's work scope would consist of a literature review and synthesis of existing research and reports to identify high priority candidate technologies and practices that could be used in the region within the next 10-years.

Amount Requested: Contract Not to Exceed \$30,000

3. Co-funding on Field Study of Northwest Energy Efficient Manufactured Home Program Performance Research

See request from Oregon Department of Energy (9/25/07).

Amount Requested: \$15,000

Additional Optional Research:

- Lighting Characterization and Use - \$45,000
- DHW Use and HPWH feasibility assessment- \$25,000
- Mini-split feasibility - \$5,000

4. Vending Machine Program Design. The purpose of the project is to develop recommendations and supporting documentation for potential energy-efficient vending machine program or programs which could be implemented on a region-wide basis in the Pacific Northwest. The development of recommendations will be based on the market characterization study completed in a previous phase of the Regional Technical Forum (RTF) vending machine project, and referred to here as the Market Characterization Report.

Amount Requested: Not to exceed \$30,000

5. Refrigeration Gasket Research. The purpose of this project is to develop data on key parameters for refrigeration gasket energy savings. It is a combination of laboratory testing for impacts of torn gaskets and field testing to determine hours that doors are open versus closed. The project is in initial scoping now.

Amount requested: Not to exceed \$15,000

6. Commercial Window Market Assessment. Report on product availability, market share and industry trends. Identify baseline conditions in new buildings filling gaps in 2007 NEEA new buildings Characteristics data. The study would probably be focused on U-value and SHGC for curtain wall product which is presumed to have limited data in the NEEA study.

Amount requested: Preliminary scoping \$5000. Depending on results of the initial scoping, further research may be needed up to \$40,000.