

2008 Work Plan Matrix

Draft of 18 September 2007

ID	Description & Rationale	Timing	Cost	Scope or Do	Priority 1	Priority 2
	Evaluation					
	<p>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 would be used to inform the Council's and utility conservation resource potential assessments and update the RTF's cost-effectiveness assessments. The RTF would fund the development of the initial work scope which might include the identification of potentially useful evaluations and project management. Cooperative funding would be solicited from BPA, utilities and SBC Administrators in the region. Potential targets for review include, but are not limited to:</p> <ul style="list-style-type: none"> • 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. So Cal Ed? • Food & cooking equipment for commercial kitchens • Tankless water heaters electric and gas both • Marginal avoided value of T&D capacity deferral savings • CALMAC results • Other 	Next 6 months	Initial Scoping \$25 - \$35 K Complete Project \$300-\$400K.	Do. Through contractor via RFP.		

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	<i>Evaluation</i>					
	Refrigeration Gaskets. Evaluate effectiveness					
	Refrigeration Strip Curtains. Evaluate effectiveness					
	Pre-Rinse Spray Valves. Evaluate effectiveness					
	Cold Climate Heat Pump. Cost and Savings.					
	<i>Research</i>					
	<p>End Use Load Research: Identify gaps in current end-use load data that would benefit from load research. The first phase of this research would be to identify what has changed since the last hourly end use research data was collected in the region (ELCAP in mid-1980's) and to assess where the current data is either missing or no longer applicable.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Commercial ventilation & plug loads, • Residential TV home entertainment & central AC • Impact of specific energy conservation measures on peak hour or "needle peak." loads, including timing of needle peaks. • What are the marginal system (T&D) losses on system peak 		\$30-\$60K	<p>Needs assessment then scoping. Prioritize what end-use research would be fruitful..</p> <p>Assess appetite for joint ventures with AMR, DEI data, Air Advice.</p>		

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	<i>Research</i>					
	Market Penetration Research. Market penetration of measures & practices, EUIs, fuel shares. Determine impact of EPart 2005, state & federal standards relative to 5 th Power Plan. For 6 th Power Plan & next round utility IRPs.	Next 6 months	\$50K	Scope. Test appetite for joint implementation		
	Next Plan Measure Scoping. What new measures, practices or applications are “available and reliable” for consideration in the 6 th Power Plan & next round utility IRPs?	Next 6 months	\$15K	Scope. Test appetite for joint implementation		
	“Measures of the Future” Scoping. Assessment of higher cost measures & emerging technologies. What might be coming that’s big but not judged to be “available and reliable” in time for consideration in the 6 th Power Plan & next round utility IRPs?	Next 6 months	\$15K	Scope. Test appetite for joint implementation		
	Updated CO2 value. Should Council/RTF base CO2 cost on EU’s Phase II credits assuming that the EU is a proxy for liquid cap and trade market? Are there other alternative CO2 values that could be justified on other grounds?			RTF or Council 6th Plan task? Maybe contract with Trexler or Burnett.		
	Lighting Duty Cycles in New Homes. Scope would require installation of lighting loggers in large sample of newly constructed homes, preferably those that had detail lighting audits in NEEA new homes characterization research.			Scope, test appetite for joint implementation		
	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.		\$20K	Scope and Do		

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	Implementation					
	Incorporate Basement model into SEEM. Program SEEM space conditioning model to incorporate new ground contact model so that it can simulate below grade slabs and basements.			Do, only if high priority		
	Simplified M&V protocols for custom projects: Develop streamlined field test protocols for M&V on custom commercial projects that need some kind of modeling. Can't deem every thing. The goal would be simplified & standardized protocols. EQuest, DOE2, EZSim others. Coordinate implementation, training.		\$50K - 100K	Design and Implement. RTF hires contract ,manager		
	Productivity and other Non-Energy Benefits. Develop protocols for estimating key NEB. Developed deemed NEB for specific measures where possible.		\$20K	May need contract help		
	Manage Development of the Protocol for Ductless mini-split metering. Someone needs to oversee the evaluation of the data coming in. Research Program Implementation Manager.		\$30K			
	Commercial Economizer Phase 3. Follow-on research if findings from Phase 2 warrant. Determine next steps. Could involve large field study of protocols tested in Phase 2. Develop protocols, programs, savings.		\$300K			
	Develop Vending Machine Program. Phase 2 to design program alternatives and test with implementation partners. Develop regional program.		\$50K	Do as follow-on to Phase 1 with contractor		
	Unsolicited Technology Reviews. Ongoing RTF work to review new technologies as they show up.		\$35K			
	Member Special Project Support		\$75K			
	Regional Conservation Progress Tracking		\$10K			
	Meetings		\$15K			
	Gasify the RTF. Start looking at gas savings measures. Get funding from gas utilities. Find gas expertise for RTF.					

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	Other Stuff					
	Monitor High Performance Buildings. How are high performance buildings doing? Benchmarking? USDOE interested in getting back in ee.					
	Deep Prescriptive. Prescriptive New Commercial Packages that go deeper than current.					
	The next home thing. 50% better than code.					
	Net zero commercial buildings.					

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