From:	Allen
To:	<u>NMIRP; Perez, Maritza; Myra Segal</u>
Cc:	Rocky Bacchus; Stephen Fischmann; Don Kurtz; Linda Peterson; Karen Sherrouse; Philip Simpson; Taiyoko
	Sadewic; Merrie Lee Soules; Dan Townsend; Danny Miller
Subject:	IRP - Revised resource proposals
Date:	Thursday, October 26, 2017 9:57:32 AM
Attachments:	171026CustomerGenerationResource.xlsx
	171026SwampCoolerMotors.xlsx

## Maritza:

Attached are revised versions of the two resource proposals I submitted earlier.

## High Efficiency ECM evaporative cooler motors

The proposal as submitted assumed 400,000 residences in EPE's territory had swamp coolers. I believe this is approximately the total number of residences, not the number of residences with swamp coolers. I do not have data on the number of swamp coolers in EPE's territory so have assumed 1/2 of residences have them. I have cut in half my numbers for maximum number of units (200,000), maximum peak reduction (100MW), and maximum MWh savings (120,000MWh/year). The economic estimates on a per unit basis remain unchanged and I strongly believe this is a program worth considering.

## **Customer sited Generation**

I had not taken air pollution into consideration when I made this proposal. While additional operation of otherwise idle generators makes sense from a cost perspective, it may run afoul of pollution regulations and for public health reasons may not be the best alternative going forward. But these generators must be run periodically for testing purposes, and if EPE could make arrangements with the owners of backup generators to do the periodic testing at time of peak load as determined, requested, and in some way compensated, by EPE, some peak reduction benefits could be obtained at minimal cost in dollars and in pollution.

I apologize for these errors.

Allen Downs