Seattle City Light

Initiative 937 – A Resolution establishing energy conservation potential and targets

www.seattle.gov/light/conserve

Presentation to Energy and Environment Committee
January 24, 2012
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Seattle Climate Action NOW

Topics

- I-937 Background
- Proposed Targets and Conservation Potential
- Conservation Potential Assessment
  - Method
  - Results

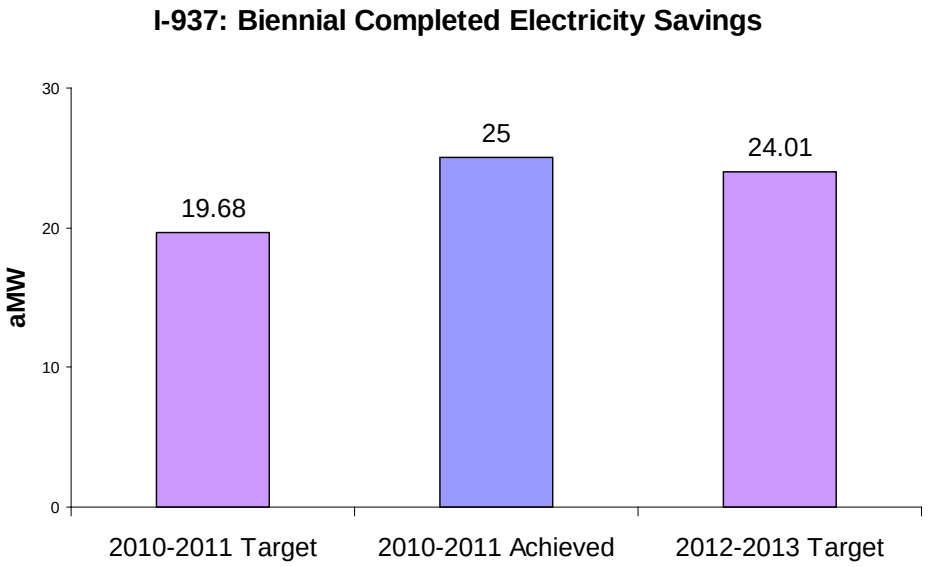
Background: Ballot Initiative 937

- Requires electric utilities to obtain new renewable resources and undertake cost-effective energy conservation
- Every two years, the utility shall review and update its ten-year conservation potential
- Beginning January 2010, each utility shall establish and make publicly available a biennial acquisition target and meet that target; failure to meet target results in administrative penalties
- Utilities are to identify conservation potential and biennial acquisition targets using methodology consistent with the NW Power Planning Council
- One option, referred to as the “Utility Analysis Option”, is to prepare a utility-specific Conservation Potential Assessment (CPA)
- This Resolution and associated public hearing serve to establish the biennial acquisition target for 2012-2013 and the ten-year conservation potential required by I-937

Energy Conservation Potential & Targets

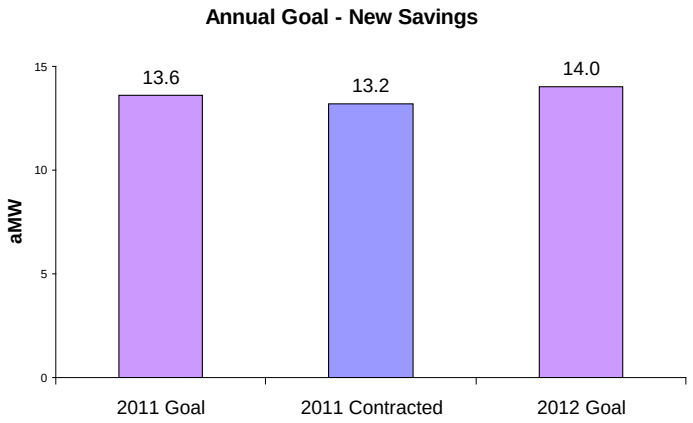
Based on results of CPA

- Two-year target 2012-2013 = 24.01 aMW, “pro rata” share of 120.02 aMW ten-year potential



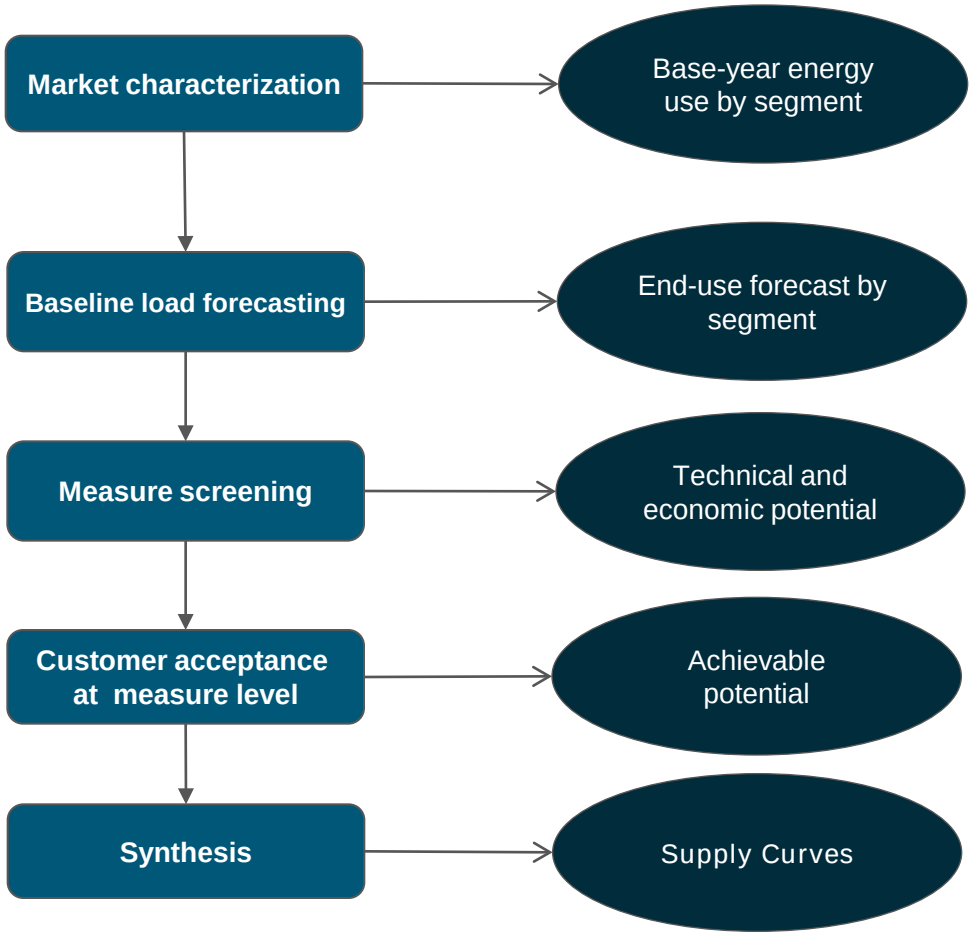
I-937 2010-2011

- Reporting due to Department of Commerce by June 1, 2012
- State Auditor to determine compliance



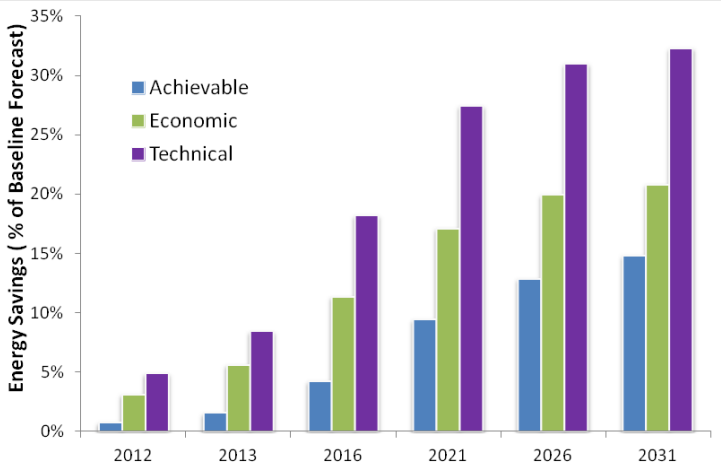
CPA: Methodology

Analysis by Global Energy Partners



CPA: Results - Overview

- Through 2021, achievable potential is 115.71 aMW
- Street lighting 10-year potential, estimated separately by SCL, is 4.31 aMW
- Combined total potential, 120.02 a MW, for ***pro rata biennium target of 24.01 aMW***.



	2010	2012	2013	2016	2021	2026	2031
Baseline Forecast (MWh)	9,344,466	9,595,628	9,797,949	10,239,603	10,751,449	11,286,255	12,198,689
Cumulative Savings (MWh)							
Achievable		69,385	150,028	431,928	1,013,662	1,451,800	1,809,690
Economic		297,923	549,573	1,163,056	1,839,584	2,251,139	2,538,749
Technical		466,261	824,859	1,863,687	2,948,960	3,496,212	3,939,856
Cumulative Savings (aMW)							
Achievable		7.9	17.1	49.3	115.7	165.7	206.6
Economic		34.0	62.7	132.8	210.0	257.0	289.8
Technical		53.2	94.2	212.7	336.6	399.1	449.8
Savings (% of Baseline)							
Achievable		0.7%	1.5%	4.2%	9.4%	12.9%	14.8%
Economic		3.1%	5.6%	11.4%	17.1%	19.9%	20.8%
Technical		4.9%	8.4%	18.2%	27.4%	31.0%	32.3%