



21st Century Maricopa

Report on Utilities Management Steering Team Meeting

May 12, 2010



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The Working Team

- Co-chairs
- Work team members
- Support Team



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The Consultant's Recommendations

- Consolidation of monthly billings
- Aggregation of meters
- Review rate tariffs
- Volume purchase of natural gas

Estimated savings: \$1.1 million



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Rationale: 21st CM Utilities Management Work Team Analysis

- Analysis of each A&M recommendation
- Analysis of other opportunities
- Other related studies:

Vendor analysis of solar power at SCC & Rio

Unable to validate A&M savings, we recommend hiring consultants to help achieve more savings



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Work Team Recommended Strategy

Issue RFP's for consultant(s) to:

- Pursue savings from A&M recommendations
- Evaluate savings from sustainable energy alternatives: solar, wind, etc
- Evaluate savings from behavioral changes
- Evaluate savings from operational changes

Estimated savings: To Be Determined



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Arizona Utilities: Limited & Regulated

- Maricopa Community Colleges can only work within the existing environment
- Role of the AZ Corporation Commission
- SRP and APS are motivated to work with customers



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Work Team Analysis of Consultant Recommendations

- Consolidation of monthly billings
- Aggregation of meters
- Review rate tariffs
- Volume purchase of natural gas



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Context for Our Recommended Strategy: MCCCD Commitment to Energy Conservation

\$17 million invested since 1994 in
Energy Conservation Measures (ECM's)

- \$10 million during 1994 bond program
- \$ 7 million during 2004 bond program



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Energy Conservation Measures

- Efficient light fixtures
- Efficient central plant equipment
- Electronic energy management controls
- Energy efficient building envelopes



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Energy Conservation Savings and Awards

- Regional re-lighting award 1997
- Governor's award for energy efficiency 1998
- Annual electrical costs post 1994 bond
- Annual electrical costs in 2008
- Energy efficiency champion 2010



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Energy Management Recent Review

- Mr. Curt Swindoll, Executive V.P.
Energy Education, Inc.
Dallas, Texas 75225
- January 2008 energy assessment
- March 2008: Energy savings available only through behavioral changes



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Recommended Strategies

- Issue RFP(s) for consultant(s)
- In the interim,
 - continue to consolidate invoices, aggregate meters, review rate tariffs as possible
 - examine operational strategies



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Questions?