

Boulder City Council Study Session  
May 12, 2015



# Transforming Energy in Boulder

# Agenda

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Policy Reform: The “Top 10” List

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Municipalization Progress Update

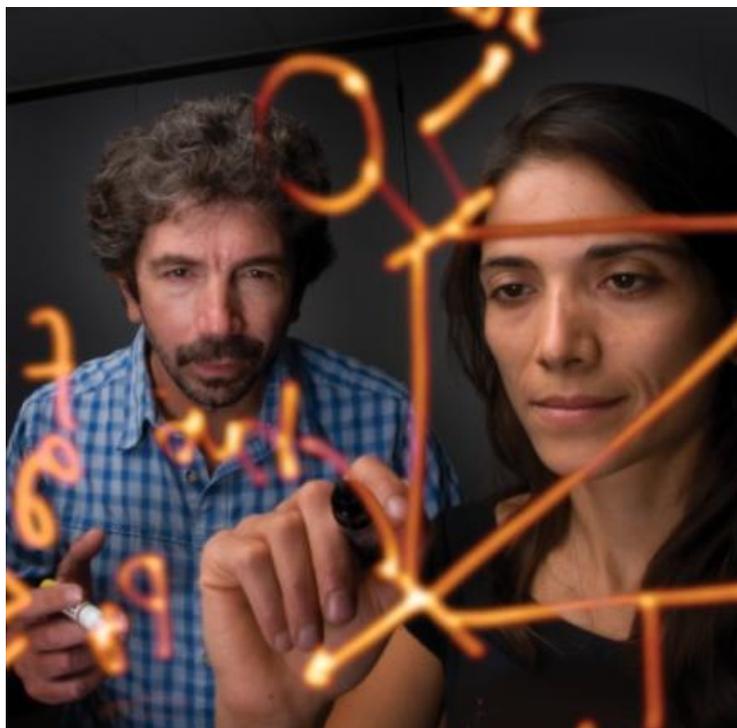
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Next Steps: Council Questions and Discussion

# Questions for Council

1. Does council have any questions on the current and proposed 2015 energy work program priorities?
2. Does council have any feedback on the “top 10” list of state legislative and regulatory changes?
3. Does council have questions or feedback regarding next steps in the municipal utility transition plan, specifically as they relate to securing a power supply and providing operations and maintenance services?

# Background and Context

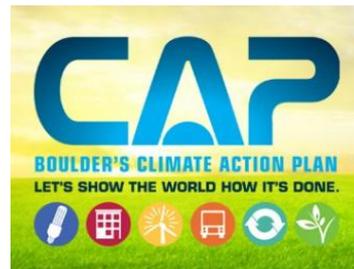
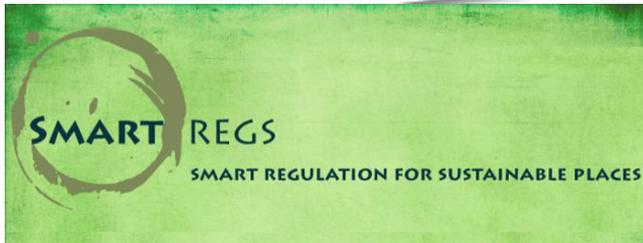


- Deep GHG reductions—such as 80% by 2050—require transformation of our energy system
- Today’s programs – City’s leadership in climate action
- Energy System Transformation Blueprint
- Opportunities for innovation

# 2015 Work Program: Existing Initiatives



Rating & Reporting and Energy Efficiency for Commercial & Industrial (C&I) Building Owners:  
*Proposed Requirements*



**BOULDER ENERGY CHALLENGE**



Be informed.  
Track your resource use.  
**Contribute to innovative community solutions.**

# New 2015 Energy Initiatives



Targeted Solar Outreach



Carbon Offset Fund



DOE Nanogrid Pilot



Innovation Studies

# 2016 Ideas for Energy Initiatives



City "behind the meter" solar garden

Deep community retrofits

Education and incentives for behavior change

Loan pool for PACE projects

Finance concierge services

Payroll deduction for energy efficiency

Demand response from water storage systems

Partnership with Google for solar and efficiency

Case management services for low-income residents

Solar-plus-storage demonstration

Combined heat and power plant

Community geothermal loops

Media campaign for commercial PACE

On-bill financing through water bill

Zero Energy District

Load reduction business model

Solar Bond/Solar Bank

Realtor Network

# Policy Reform: The “Top 10” List



**1** Peer-to-Peer Sharing of Electricity

Community Choice Aggregation

**2**

**3** Energy Data Center

Alternative Energy Efficiency Management

**4**

**5** Remove the 120% Cap

Performance-Based Rates & Grid Modernization

**6**

**7** State Carbon Tax

Promote Electric Vehicle Uptake

**8**

**9** Green Electric Resource Planning

Time-of-Use Electric Rates

**10**

- Transition Plan Update – Day One by end of 2017
- Power Supply – issued RFP to Xcel in April
- Operations & Maintenance – received qualifications from potential vendors in April
- IT Systems Analysis – began work to identify IT needs for utility

# Municipalization Progress Update

- Four working groups were initiated in 2014-2015 and have been contributing to moving municipalization forward:



Resource Acquisition



Energy Services



Safety & Reliability



Rates

# So What's Next?

- Come back during the 2016 budget cycle with recommendations to support potential new initiatives.
- Continue implementing the municipalization transition plan and report back on progress related to the power supply RFP.
- Continue to utilize the Energy Services and Resource Acquisition Working Groups to evaluate short-term energy services. Pause the Rates Working Group during the PUC application process and reconvene it later in 2015.
- Provide an update on grant funding and related efforts as part of the Climate Commitment July study session.
- Continued focus on legislative reform and coalition building.

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