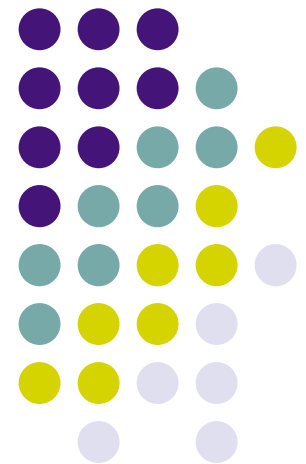


Commercial Rebates and Incentives

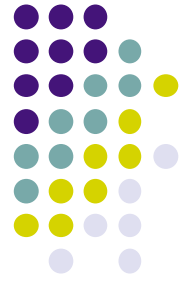
Boulder Green Building Guild
Conference

July 18, 2009





NON-XCEL UTILITY AND LOCAL GOVERNMENT REBATES



Solar PV

- City of Boulder Solar Sales and Use Tax Rebate: 15% of sales and use tax
- Longmont Power and Communications Rebate: \$3/W installed up to \$15,000 (pending GEO match)
- Namaste Solar Nonprofit Solar Grant Program: 50% or 100% of after-rebate cost (501(c)(3) organizations only)

Solar Thermal

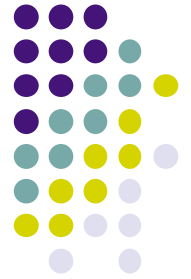


Boulder County and City of Boulder

- Up to \$9000
- Closed for 2009



Longmont Power and Communications

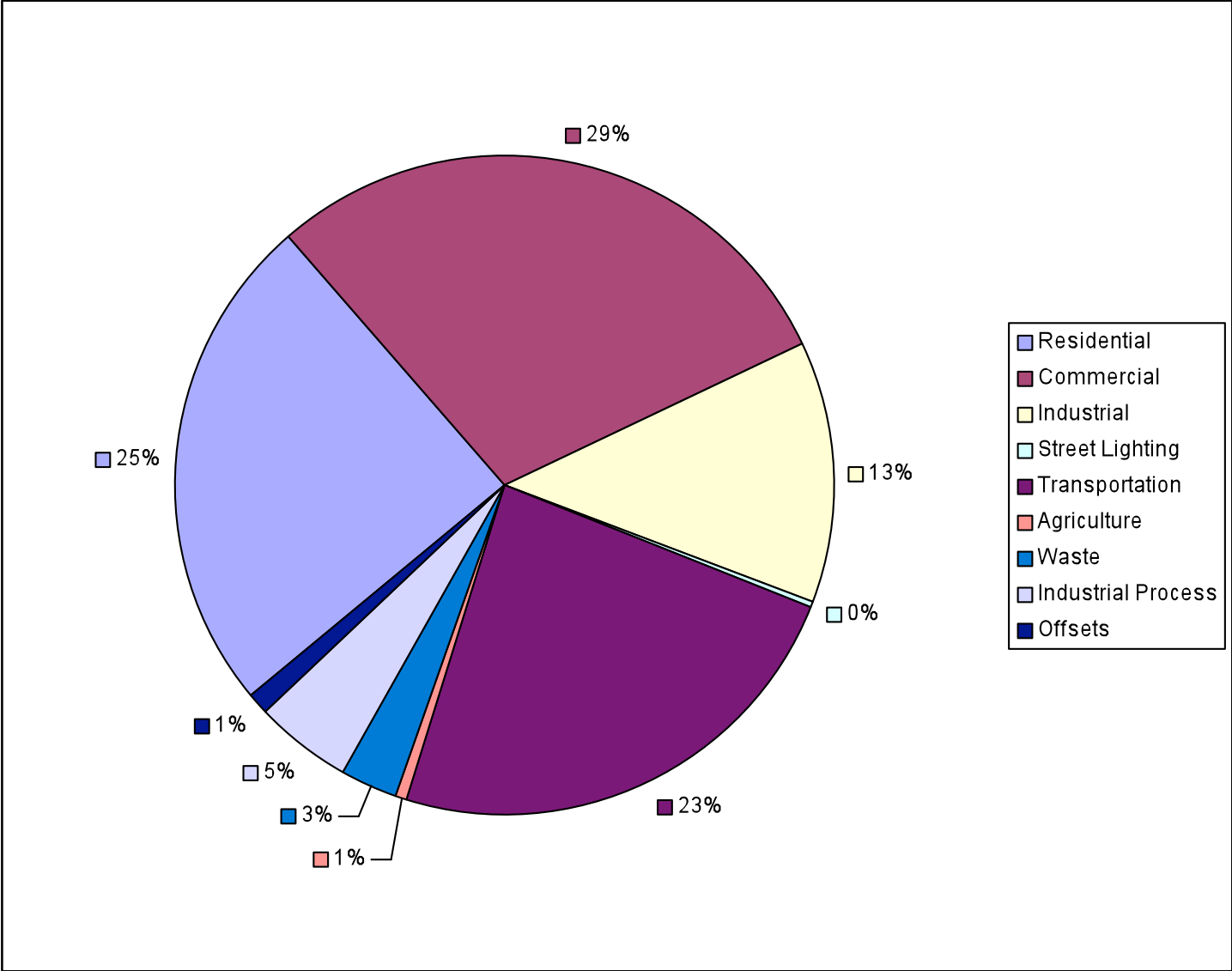


- Overall efficiency: \$500 per kW reduced during the summer peak period, up to \$100,000 per year
- Cooling efficiency: \$50-\$65/ton depending on size and efficiency
- Appliances: \$50 per EnergyStar rated appliance up to 3 clothes washers and 3 dishwashers per year
- Up to \$5000 to businesses implementing prescribed EE measures (launch pending)

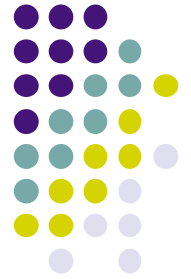


ClimateSmartTM
LOAN PROGRAM

Boulder County's Emissions by Sector



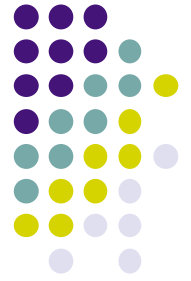
Sustainable Energy Plan



- Countywide CAP—adopted by county and 9 of 10 municipalities
- Criteria
 - Emissions reductions potential
 - Cost effectiveness
 - Equitable distribution across the main GHG sectors
 - Social equity – distribution of cost and benefits
 - Persistence
- Strategies include
 - Voluntary and support actions – public education/ awareness
 - Statewide action
 - Local regulatory programs



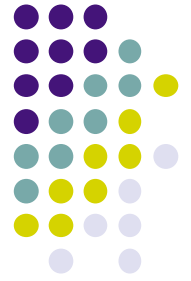
Program Basics



Program Purpose

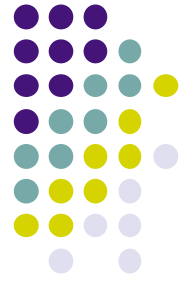
- To help residential and commercial property owners reduce their environmental impact and likely save money by providing full financing for energy efficiency improvements and installation of renewable energy technologies.
- Key strategy in Sustainable Energy Plan
- Authority: HB 08-1350 and County Ballot Measure 1A

Program Basics



- Energy efficiency and renewable energy measures
- Special assessment placed on property—easy payment via property tax statement – repayment responsibility remains with the benefitted property
- Countywide pool of funds obtained through sale of bonds
- 15 year term
- Up to the full upfront cost of improvements is loaned
- Property owners opt in (minimized general fund impact)
- Complements rebate and incentive programs
- Utility bill release and program tracking

County Level Administration

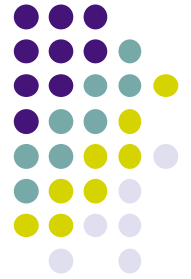


- Allows us to generate enough in loans to be cost effective (relatively small population county)
- Three elected offices: BOCC, Assessor, and Treasurer
- Opt in by municipalities
- Centralized staffing and messaging
- 6 electricity providers, 1 gas provider, and 11 building divisions (10 municipal and 1 county)

Eligible Measures



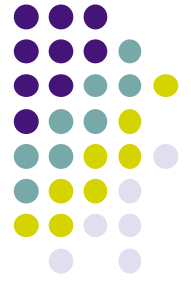
- Fixtures to property
- Useful life must average 15 years or more under normal conditions (by traunch, not property)
- Deliberating performance based, prescriptive list, or both



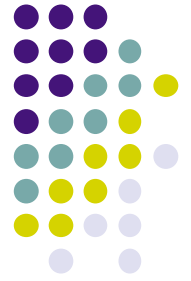
Proposed Process

- Form advisory group in upcoming months
- Accept applications in Fall 2009
- Approve applications by January 2010
- Sell bonds in February/March
- Divide program into categories:
 - Business type
 - Business size
 - Loan size

Taxable and Non-taxable Bonds



- Taxable bonds:
 - Commercial/institutional properties
- Non-taxable bonds:
 - Multi-family and/or elderly rental housing for low income residents (MFH)
 - Small manufacturing facilities



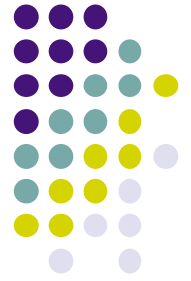
Program Capacity

- \$40 million already approved by voters through Ballot Measure 1A
- The County has apportioned \$28 million for residential properties and \$12 million for commercial properties
- A second ballot measure is under consideration



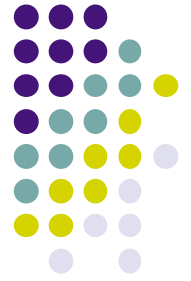
COMMERCIAL CODES

Process



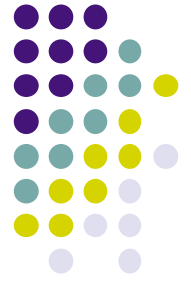
- Broad stakeholder process 2008 and 2009
 - Local governments
 - Architects
 - Electrical engineers
 - Renewable energy professionals
 - Building owners
 - Tenants
 - Energy policy professionals
 - Builders

Key Recommendations: New Buildings



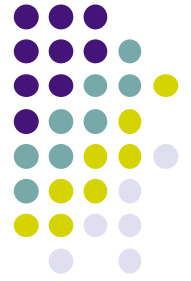
- 30% above current code
- Adoption by end of 2010
- Utilize ASHRAE 189.1 or other vetted code/standard
- Performance based 20k sf and above, prescriptive option for below 20k sf
- Water efficiency (50% exterior, 30% interior), transportation, zero waste (equal space), design for RE, and other
- Incentivize materials

Key Recommendations: Existing Buildings



- All parts touched in renovation/remodel must be brought to current code (including 30%)
- Audit required (if available at no cost)

Contact Information



Ann Livingston
Boulder County Sustainability Coordinator

Alivingston@bouldercounty.org

303.441.3517

