

EFFICIENCY MAINE TRUST: PROPOSED DRAFT TRIENNIAL PLAN 2011-2013

Philippe Dunsky, President
DUNSKY ENERGY CONSULTING

Eric Belliveau, Partner
OPTIMAL ENERGY INC.

EFFICIENCY MAINE TRUST BOARD MEETING
March 3rd, 2010



(514) 504-9030 | info@dunsky.ca
www.dunsky.ca



Integrated Energy Resources

DUNSKY ENERGY CONSULTING

DEC'S MISSION

- ▶ *“To contribute to an efficient and sustainable energy future by helping our clients assess, design and implement effective energy efficiency and renewable energy strategies.”*

DEC'S TEAM & CLIENTÈLE

- ▶ Team of seasoned consultants focused exclusively on sustainable energy
- ▶ Wide range of clients: governments, utilities, NGOs and private firms
- ▶ Canada: Québec, Ontario, Manitoba, B.C., New Brunswick, Nova Scotia...
- ▶ U.S.: New York, New Jersey, Maine, Massachusetts, Oregon, California...

DEC'S EXPERTISE

- ▶ Strategies and policies
- ▶ Plans and programs
- ▶ New opportunities

DEC'S SERVICES

- ▶ Strategic counsel and planning
- ▶ Design and implementation support
- ▶ Research and analysis
- ▶ Training, public speaking, facilitation

SUMMARY

- EMT's first triennial plan includes a comprehensive portfolio of programs and strategies, rooted in a set of guiding principles, and would notably:
 - ▶ Cost \$187m (over 3 years)
 - ▶ Save \$775m (present valued)
 - ▶ Save 3.4 trillion Btus/year
 - ▶ Reduce emissions by 300,000 tons CO₂e annually
 - ▶ Create thousands of jobs and increase the GSP

CONTEXT & PRINCIPLES

ENABLING LEGISLATION

- Creates Efficiency Maine Trust (EMT)
- Sets far-reaching long-term savings targets
 - ▶ *Electricity and natural gas: -30% within 10 years*
 - ▶ *Heating fuels: -20% within 10 years*
 - ▶ *Other targets and direction: low-income, small business...*
- Directs it to develop Triennial Plan
 - ▶ *and recommend appropriate funding levels and sources*
- Directs PUC to adopt appropriate funding for gas and electric

GUIDING PRINCIPLES

- In addition to the legislative targets, five guiding principles:
 1. **Affordable**
 2. **Comprehensive**
 3. **Balanced**
 4. **Flexible**
 5. **Enabling**

- Further considerations:
 - ▶ Head start with Efficiency Maine
 - ▶ Federal stimulus funding

PROPOSED STRATEGIES / PROGRAMS

COMPREHENSIVE PORTFOLIO

■ 8 Residential Programs

- ▶ Strong push on heating systems, weatherization
- ▶ Low-income programs start with majority of funding; drop to proportionate level over time

■ 3 “Business” (C&I) Programs

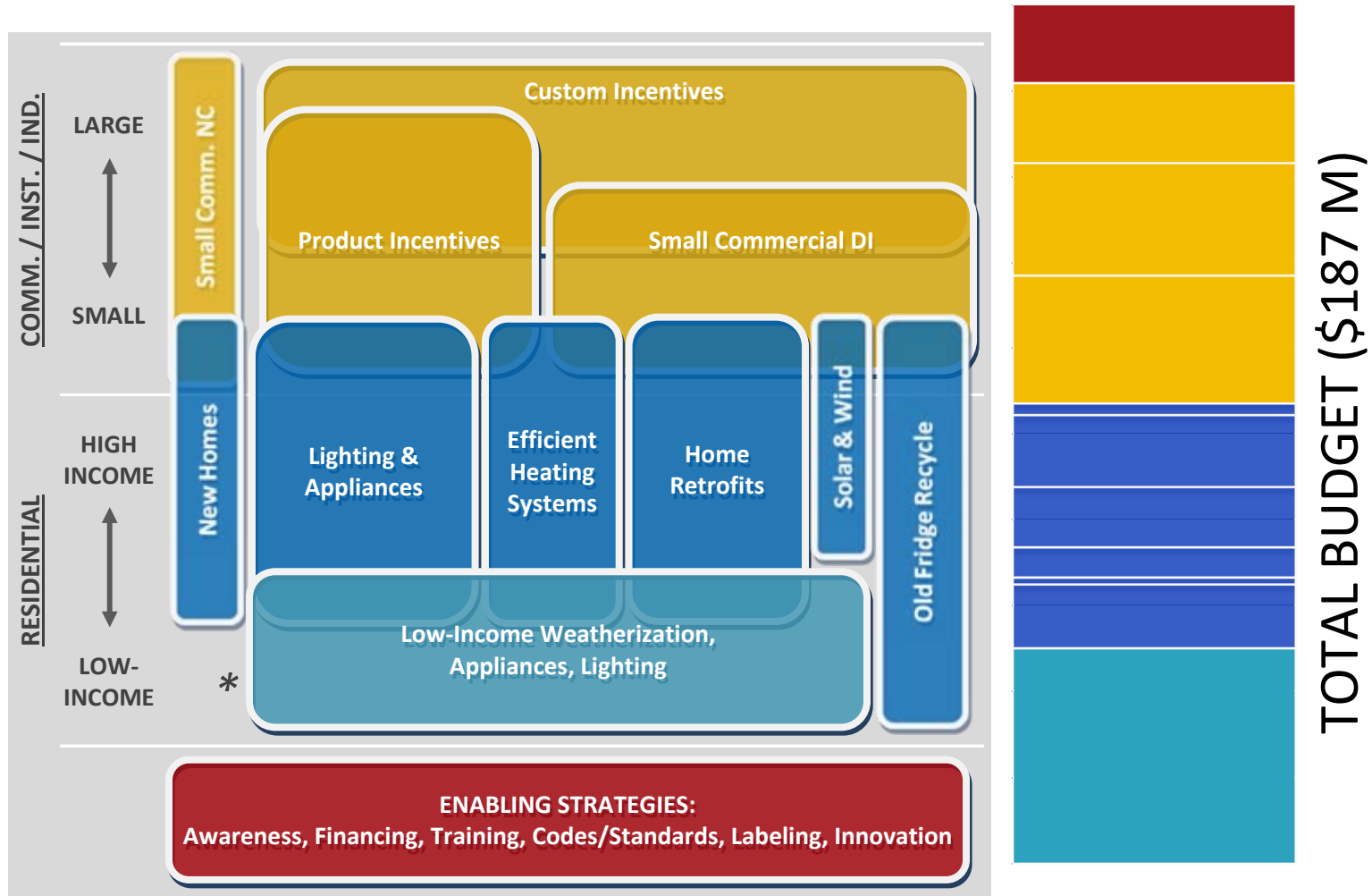
- ▶ Move toward more customized service
- ▶ Move toward one-stop-shop approach

■ 7 Enabling initiatives

- ▶ State-wide awareness campaign
- ▶ Initiatives to enable future savings, leverage other efforts

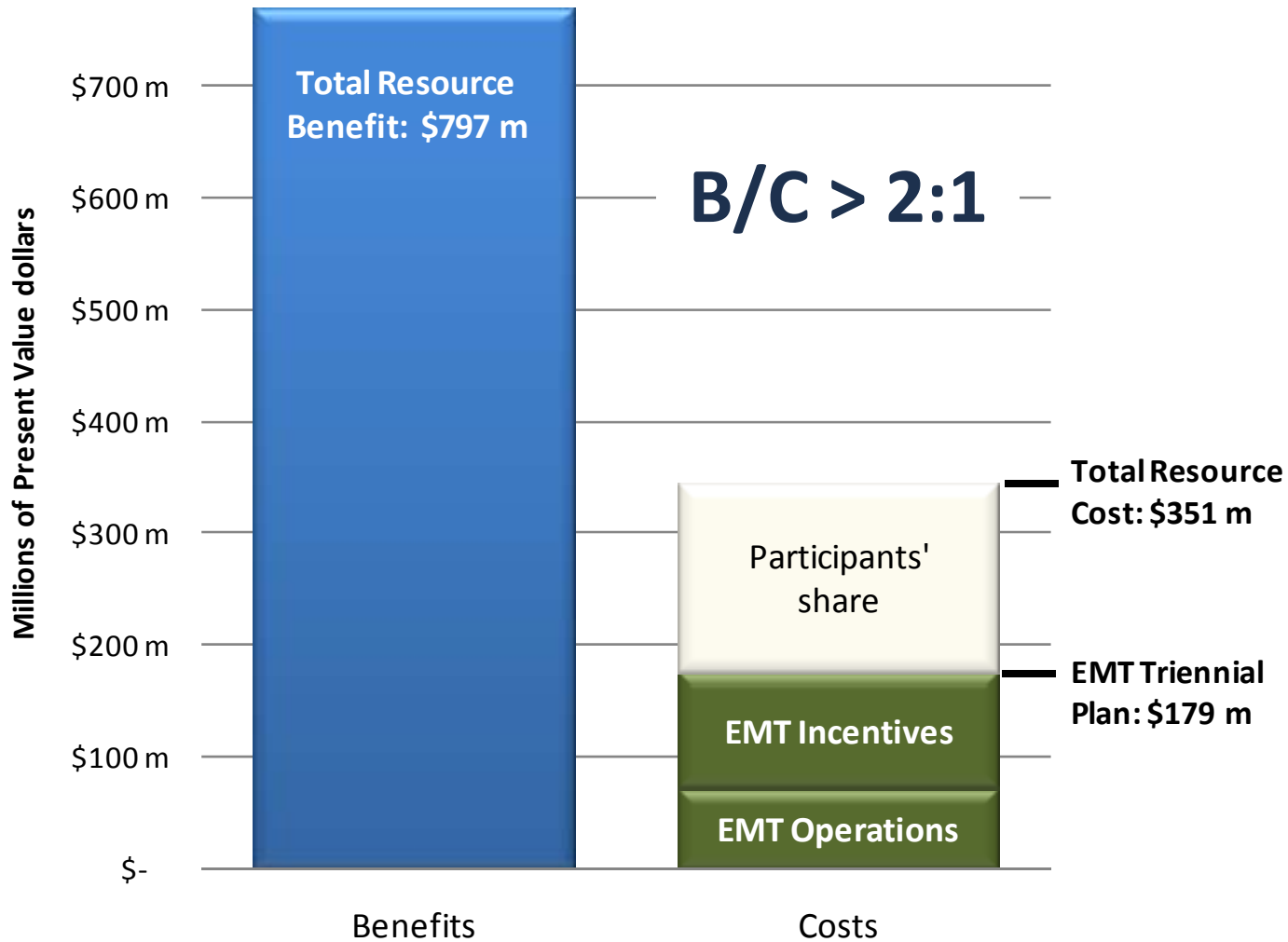
Add bar chart of funding to the right (color-coded) if possible.

COMPREHENSIVE PORTFOLIO



EXPECTED RESULTS

A COST-EFFECTIVE PLAN

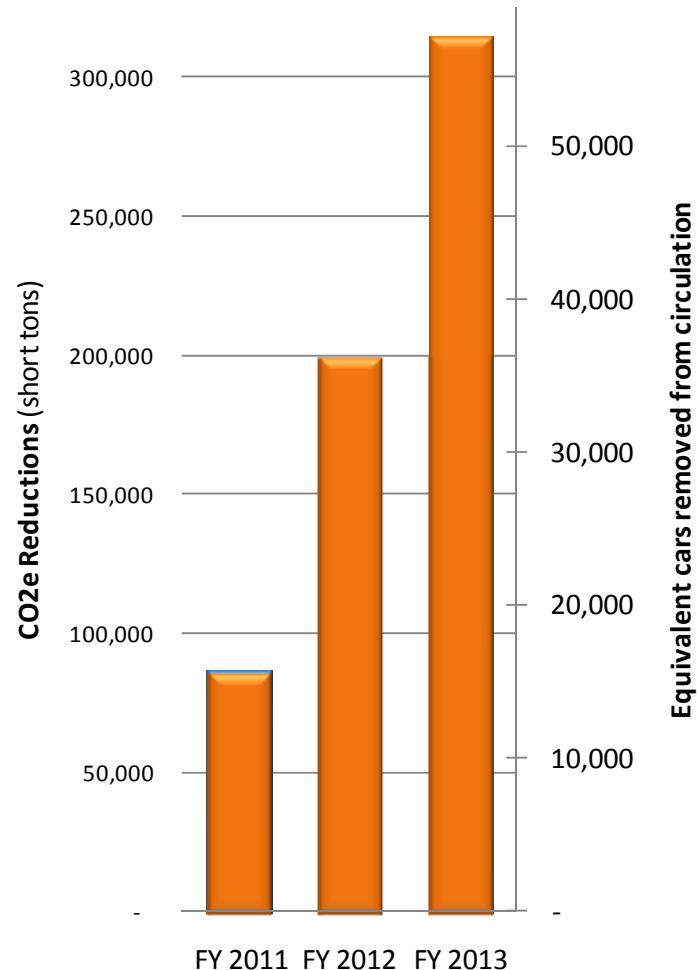


ECONOMIC BENEFITS

- Lower bills =
 - ▶ Less poverty
 - ▶ More discretionary income
 - ▶ More competitive businesses
 - ▶ More spending within state, with strong ripple effect...
- **New jobs: ~12,000 – 13,000** pers.-yrs. employment
 - ▶ Disproportionate share (57%) from heating oil savings
- **Economic stimulus: >\$1 billion** added to GSP
 - ▶ Disproportionate share (58%) from heating oil savings

LOWER CO2 EMISSIONS

- 300,000 tons of CO2e savings
- Equivalent to 60,000 cars removed from circulation

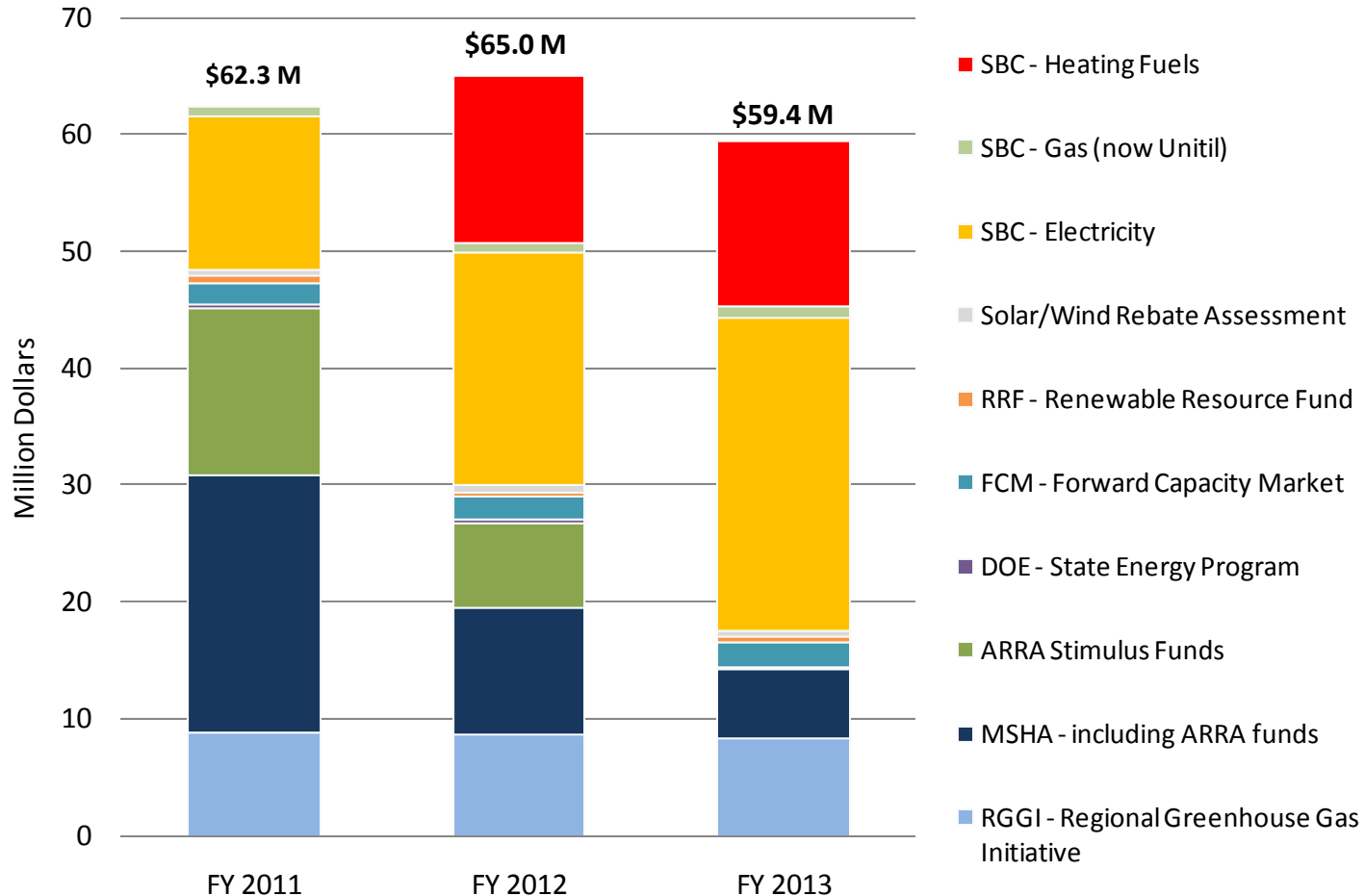


ENERGY SAVINGS



BUDGETS & FUNDING SOURCES

FUNDING SOURCES

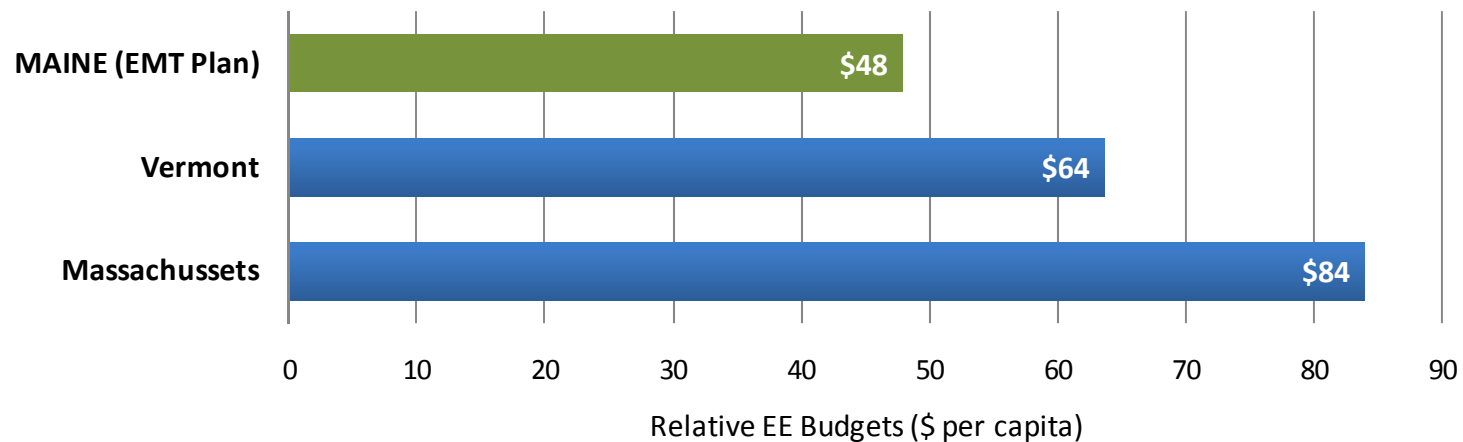


FUNDING IN PERSPECTIVE

■ Specific funding levels

- ▶ Electric SBC: x1.5 in Y2, x2.0 in Y3
- ▶ Gas SBC: x1.25 in Y2, Y3
- ▶ Heating fuel charge: 2.4¢/gallon

■ Total spending: \$48/capita (*residential = ~5¢/day*)



RECAP

The Triennial Plan would produce:

- **Energy:** 3.4 trillion Btus saved
- **Costs:** \$187m (3 years)
- **Benefits:** \$775m
- **CO₂:** 300,000 tons/year saved
- **Jobs:** >12,000 pers-yrs employment created (net)
- **Economy:** >\$1 billion added to GSP (net)

Questions?

Philippe Dunsky, President

DUNSKY ENERGY CONSULTING

514-504-9030 | info@dunsky.ca | www.dunsky.ca

Eric Belliveau, Partner

OPTIMAL ENERGY INC.