

TO: [gdeans@cerc.com](mailto:gdeans@cerc.com)

**SUBMISSION OF GENERAL COMMENT ON ENERGY GENERATION WITH RESPECT TO TRANSPORTATION.**

**RE:** Comment and recommendations on means to ensure compliance

**Dear CEAB,**

*In accordance with Conn. Gen. Stat. § 16a-3a(a)(b), the EDCs must submit to the CEAB an assessment of: (1) the energy and capacity requirements of customers for the next three, five and ten years, (2) the manner of how best to eliminate growth in electric demand, (3) how best to level electric demand in the state by reducing peak demand and shifting demand to off-peak periods, (4) the impact of current and projected environmental standards, including, but not limited to, those related to greenhouse gas emissions and the federal Clean Air Act goals and how different resources could help achieve those standards and goals, (5) energy security and economic risks associated with potential energy resources, and (6) the estimated lifetime cost and availability of potential energy resources.*

*Renewable portfolio standards (RPS) are unlikely to be fully met with renewable generation. Connecticut and other New England states face escalating RPS requirements. Due to high costs and siting constraints, New England targets may not be met with sufficient renewable energy generation. Electric suppliers and EDCs may increasingly rely on the alternative compliance payment (ACP) to meet the shortfall.*

**Sky Train concludes renewables can solely power its monorail, and the whole of transportation electrification goals, and even sell back to the grid. Can you imagine new sustainable power technologies sold on a massive scale, which each buyer having potential to sell back to the grid....?**

**The Connecticut Monorail Project with its proprietary Mini-Substation can satisfy the mandates according to the DPUC Review of the integrated resource plan and much more...**

**Read On:.**

CC:

OPM - CT TRANSPORT POLICY

**Name**

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March 18. 2009

**RE: TRANSPORTATION BRIEFING**

Dear CEAB,

The State Energy Program (SEP) provides grants to states and directs **funding to state energy offices** from technology programs in DOE's Office of Energy Efficiency and Renewable Energy. The State of Connecticut can expedite grants like these to address state energy priorities which will serve the state's best interest in adopting emerging renewable energy and energy efficiency technologies. Transportation is a key target for these grants and funds.

But it's not *just* about using funding from the Stimulus Package for projects lined up from previous years' funding queues, **it's about funding and harnessing the latest entries in the green transportation field and marketplace.**

Interest by state and national political figures in Sky Train's Solar/Wind/Hydrogen Fuel powered monorail is growing because not only would the **proposed world-class monorail demonstration** secure Connecticut's leadership for showcasing top "Sustainable Mobility" or next-generation Light Rail modes, but also it would create thousands of local jobs to manufacture the green parts, and hydrogen Fuel Cell components, and for designing, building and operating the system. The third objective is to provide Institutional and educational funding impetus in the renewable energy transportation field, **educating a generation of professionals**, teachers and students, and scientists.

The life-size demonstration would run from the Capitol Region of Hartford to Adriean's Landing. At Adriean's Landing, the Connecticut Science Center will be an integral player, and also the Connecticut Convention Center would now have the beginnings of what will become a monorail loop around Hartford, connecting to Rentschler Field Park, with finally a leg to Bradley International Airport, in less than 12 minute travel time. Smart Growth use of DECD and the Landing's own parking facilities will vastly promote the concept of parking on the outskirts of cities and shifting use to Public Transit. Think about it....Adriean's Landing is a perfect Transit HUB for the area!

It was a pleasure for Sky Train to re-establish contact with Connecticut's OPM last week. Sky Train, with offices in Connecticut, has taken exponential leaps two years after we last spoke about using renewables to propel a next-generation monorail system. We have finished "Proof Of Concept" through an important DOE Grant which makes us almost ready to package our **Proprietary Mini-Substation with latest Ultra-capacitor Technology**. Our Substation will fast-charge any electric Plug-in Vehicle, including Electric Cars. America, and the World, are rapidly heading toward an Electric Transportation Inter-modal Model. Sky Train also accommodates green initiatives for Cargo and Freight.

**The Sky Train Statement:** *Sky Train Corp uses transportation funding from the Stimulus Act to deliver jobs and restore our nation's economy. We build transportation systems that "literally" connect business and Community. Our power device does not have to run off the main grid, but instead sources Solar, Wind, and Hydrogen Fuel Cell Power. We emphasize the success of our sustainable investment of next generation cap to cap transfer to plug-in vehicles. We focus on movement of people and goods, businesses and communities who have insight for upgrading their transportation*

*systems. We focus on the quality of our environment. **We work to build and restore our transportation infrastructure toward the a future that can yield new forms of green transportation now.***

***Talk of a monorail up the Connecticut River to Bradley International Airport has been on-going for over twenty years. Now is the time for Connecticut to truly build a high speed monorail system which can get to the airport fast , safely, and comfortably.***

According to the President's Initiative for Transportation, from Web Source:

[Statement of U.S. Transportation Secretary Ray LaHood On Pre...](#)

**DOT 20-09. Tuesday, February 17, 2009. Contact: Bill Adams** Tel.: (202) 366-4570. Statement of U.S. Transportation Secretary Ray LaHood On President Obama's ...[www.dot.gov/affairs/dot2009.htm](http://www.dot.gov/affairs/dot2009.htm) - 6k - <http://www.dot.gov/affairs/dot2009.htm>

*"We will use the transportation funding in the Act to deliver jobs and restore our nation's economy. We will emphasize sustainable investment and focus our policies on the people, businesses and communities who use the transportation systems. And, we will focus on the quality of our environment. **We will build and restore our transportation foundations until the American dream is returned.***

*"We will invest in jobs to expand transit capacity and modernize transit systems. Transit is a centerpiece of my focus on livable communities and our Department will work closely with Vice President Biden's "Middle-class Taskforce" on transit initiatives.*

*"We will invest in jobs to allow Amtrak to add and modernize cars and engines and upgrade its tracks.*

(What about monorail inter modal feeder lines to Amtrak?)

*"We will invest in jobs to expand airport capacity and make safety improvements.*

*"We will invest in jobs to build and rehabilitate and make safer roads, highways, bridges and ports.*

***"And we will invest in jobs to launch high-speed rail in America. This will transform intercity transportation in America, reduce our carbon footprint, relieve congestion on the roads and in the skies, and take advantage of a mode of transportation that has already benefited Europe and Japan for many years.***

*"There are those who argue that we need to waive environmental regulations to put people to work more quickly, but that is simply not the case. We are ready to build a new transportation infrastructure and we will work to keep it green. END*

**Below are four Stimulus Package grants that Sky Train can create partnerships with Connecticut's OPM, Connecticut Clean Cities Coalitions, Metro-Hartford Alliance, the Connecticut Science Center, UCONN's Transportation Institute, CTDOT, and other entities. Please accept our follow-up call in about a week of transmission of this e-mail, to discuss further these important issues.**

Best wishes,

Francis C. P. Knize  
Sky Train Corporation  
Grant Coordinator  
203 544 9603

Five grants to work together on:

## State Energy Program

*\$3.1 billion* was included for the State Energy Program.

Connecticut will receive **\$39.1 million** in formula funding.

Administrator: **Connecticut Office of Policy and Management (OPM) Robert L. Genuario**

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Secretary  
Office of Policy and Management  
CONN SCIENCE CENTER  
UNIVERSITY OF CONN ROUTE AND FEASIBILITY STUDY  
Metro-Hartford Alliance

### Description:

States use grants to address energy priorities and program funding **to adopt emerging renewable energy and energy efficiency technologies**

**Website:** [www.ct.gov/opm](http://www.ct.gov/opm)

**Phone:** (860) 418-6416 (OPM)

(860) 418-6441 (State Energy Office) ray wilson

**Helpful Link:** [http://apps1.eere.energy.gov/state\\_energy\\_program/projects\\_all\\_by\\_state.cfm/state=CT](http://apps1.eere.energy.gov/state_energy_program/projects_all_by_state.cfm/state=CT)

## Energy Efficiency and Conservation Block Grant (EECBG)

*\$3.2 billion* was included for EECBG.

**Office:** Energy Efficiency and Renewable Energy (EERE)

**Agency:** U.S. Department of Energy

**Purpose:** To reduce fossil fuel emissions, decrease overall energy consumption, Improve energy efficiency in the **transportation**, building, and other energy consuming sectors of the economies of eligible entities

**Description:** Assists states and local governments in implementing strategies to reduce fossil fuel emissions created as a result of activities within the jurisdictions of the eligible entities and reduce the total energy use. Activities eligible to receive funding include: conducting

## Alternative Fueled Vehicle Pilot Grant Program

*\$300 million* was included for the Alternative Fueled Vehicles Pilot Grant Program

**Office:** Clean Cities Program

**Energy Efficiency and Renewable Energy (EERE)**

**Agency:** U.S. Department of Energy

**Purposes:** To establish a grant program through the DOE Clean Cities Program to encourage the use of plug-in electric drive vehicles or other emerging electric vehicle technologies.

**Florida Suncoast Clean Cities** Coalition

[ferraro@cutr.usf.edu](mailto:ferraro@cutr.usf.edu)

**Recipients:** State governments, local governments, metropolitan transportation authorities, air pollution control districts, and private or nonprofit entities.

**Activities** May be used for the acquisition of alternative fueled vehicles, fuel cell vehicles or hybrid vehicles, including buses for public transportation and ground support vehicles at public airports. The installation or acquisition of infrastructure necessary to directly support an alternative fueled vehicle, fuel cell vehicle, or hybrid vehicle project funded by the grant is also eligible.

**Type:** Competitive Grant

**CT Profile:** <http://www.afdc.energy.gov/cleancities/progs/coordinators.php>

**Website:** [www.eere.energy.gov/cleancities](http://www.eere.energy.gov/cleancities)

**Phone:** (877) 337-3463 - EERE General Information Center

**Authorization Reference:** (EPACT 2005 Sec. 721)

## Advanced Research Projects Agency (ARPA-E)

*\$400 million* included for the Advanced Research Projects Agency (ARPA-E).

**Agency:** U.S. Department of Energy

**Purposes:** To support high-risk, high-payoff research to accelerate the innovation cycle for both traditional and alternative energy sources and energy

**Background:** In 2007, Congress approved (PL 110-69) the creation of the Advanced Research Projects Agency-Energy (ARPA-E). Modeled after the Defense Research Advanced Research Projects Agency (DARPA), ARPA-E will develop and deploy advanced energy technologies by identifying and promoting revolutionary advances in fundamental sciences, translating those discoveries into technological innovations, and accelerating transformational technological advances in areas that industry by itself is not likely to undertake.

**Eligibility as Authorized:** Awards to institutions of higher education, companies, research foundations, trade and industry research collaborations, or consortia of such entities, which may include federally-funded research and development centers.

**Website:** [www.energy.gov](http://www.energy.gov)

**Phone:** 1-800-dial-DOE (1-800-342-5363)

**Authorization Reference:** Section 5012 of the America COMPETES Act (42 U.S.C. 16538)

Guide to the American Recovery and Reinvestment Act of 2009 Page 12  
Transportation Electrification

## \$400 million for Transportation Electrification grant projects.

Office:

Energy Efficiency and Renewable Energy (EERE)

Agency:

U.S. Department of Energy

Purposes:

To implement a grant program for **qualified electric transportation projects** that reduce emissions, including shipside electrification of vehicles, truck stop electrification, airport ground support equipment and cargo handling equipment

Recipients:

States, local governments, and metropolitan transportation authorities

Type:

Competitive Grant

Website:

[www.eere.energy.gov](http://www.eere.energy.gov)

Phone:

(877) 337-3463 - EERE General Information Center

Authorization Reference:

(EISA 2007 Sec.131)