

# Memorandum

Planning Division Community & Economic Development Department					
To:	Planning Commission Members				
From:	Orion Goff, Building Official				
	Nole Walkingshaw, Senior Planner				
Date:	August 13, 2008				
Re:	Executive Order, LEED and Energy Star; Expedited Plan Review for New Constriction and Major Renovation Projects				

## **Discussion:**

Mayor Ralph Becker is developing an Executive Order for the expedited plan review for new construction and major renovation projects that meet certain sustainable building criteria. The purpose of this Executive Order is to incentivize "Green" building for developers who agree in advance to meet and/or exceed the "Silver" level of LEED certification or achieve the standards required for an ENERGY STAR rating for homes. Mayor Becker is expected to sign the Executive Order on or about August 28, 2008.

Your comments and/or recommendations regarding this are appreciated; thank you for taking the time to review this information.

**Draft Executive Order:** 

	Approved as to Form
Salt I	Lake City Attorneys Office
By:	
Date:_	

#### **EXECUTIVE ORDER**

EFFECTIVE DATE:	, 2008	
<u>SUBJECT</u> :	EXPEDITED PLAN REVIEW FOR MAJOR RENOVATION PROJECT SUSTAINABLE BUILDING CRITE	S THAT MEET CERTAIN
DISTRIBUTION:	ALL DEPARTMENTS	
AUTHORITY SIGNATURE:		
	RALPH BECKER, MAYOR	DATE

## **Introduction:** LEED and ENERGY STAR Play an Important Role in Energy Conservation in the City:

The Leadership in Energy in Environmental Design (LEED) rating system is a system created by the United States Green Building Council (USGBC), of which Salt Lake City Corporation (City) is an active member, to provide a national standard for healthy environmental and energy efficient design. Various local stakeholders, including architects, planners, environmental consultants, professors, political leaders, energy experts, health officials, and City staff members worked with the City to review the LEED rating system.

Presently, LEED offers four (4) levels of certification: "Certified," "Silver," "Gold," and "Platinum." The standards comprising these different levels are considered to promote a healthy environment, provide long-term cost benefits through efficient use of energy, optimize building performance, and create healthier workplaces for employees and visitors. A project can earn points in each of these areas and the number of points earned determines which of the four levels the project will attain. The City has determined that adherence to LEED standards in certain circumstances is in the best interest of the City by obtaining the energy efficient benefits promoted by those standards.

The Energy Star Program (ENERGY STAR) is a joint program of the United States Environmental Protection Agency (EPA) and the United States Department of Energy that helps consumers save money and protect the environment through energy efficient products and practices. ENERGY STAR qualified homes are independently verified to meet strict guidelines for energy efficiency set by the EPA. These efficiencies help homeowners save money on utility bills, provide a more comfortable living environment with better indoor air quality, and help the environment. The Home Energy Rating System (HERS) Index (also known as the Energy-Smart Home Scale) is used by ENERGY STAR to rate the efficiency of a residential building. The ENERGY STAR requirement for a home in Salt Lake City is a HERS Index of 85 or less. The Mayor has determined that constructing homes that meet ENERGY STAR standards (i.e., HERS Index of 85 or less) is in the best interest of the City by reducing the demand for nonrenewable energy in the City's residential buildings.

Through LEED and ENERGY STAR standards, the City is committed to reducing greenhouse gas emissions by implementing more sustainable practices, including green building technologies.

# **Background:** The City's Legislative History Reflects a Commitment to Energy Conservation:

Buildings are a leading contributor to carbon emissions and climate change. Existing buildings and the building development industry consume nearly half of the total energy used in the United States. The City is committed to increasing efficiency of certain resources, including energy, water, and materials associated with construction projects, as demonstrated by this Executive Order.

The City supports green building in both the public and private sectors, a fact that is reflected in the City's rich legislative history from both the Executive and Legislative branches. On June 8, 2005, Mayor Anderson signed an Executive Order requiring all public buildings owned and controlled by the City to be built or renovated using LEED standards at the "Certified" level. Then, on January 19, 2006, Mayor Anderson signed an amended Executive Order increasing the LEED standard for City owned and controlled buildings to the "Silver" level.

On October 17, 2006, the City Council enacted and the Mayor approved Ordinance No. 78 of 2006 (codified at Chapter 18.95 of the Salt Lake City Code), which requires applicable City funded construction projects to achieve, at minimum, a "Silver" certification level of LEED compliance for all new buildings and major renovations of 10,000 square feet or larger. This enactment placed the City among the most progressive cities in the nation in terms of sustainable building policies. Subsequently, on November 7, 2006, the City Council adopted Resolution No. 73 of 2006 encouraging both the Library and the Board of Directors of the Redevelopment Agency to adopt similar LEED standards for applicable building projects funded by the Library Fund and Redevelopment Agency.

On November 17, 2006, the City Council enacted and the Mayor approved Ordinance No. 79 of 2006 (codified at Section 18.12.010 of the Salt Lake City Code), which amended its Board of Appeals membership requirement to include one LEED accredited member.

#### The Purpose of this Executive Order is to Incentivize "Green" Building:

The purpose of this Executive Order is to reassert the City's commitment to green building practices in new construction and major renovations throughout the City, and to provide leadership and guidance in promoting, facilitating, and instituting such practices in the private development community by incentivizing developers who agree in advance to meet and/or exceed the "Silver" level of LEED certification or achieve the standards required for an ENERGY STAR rating for homes.

#### How the Incentive will work -- Expedited Plan Review:

The City is committed to incentivizing energy efficient and sustainable development and construction on all new construction and major renovation projects throughout the city, and this Executive Order authorizes the City Building Official to expedite building plan review for that purpose. To support and implement this commitment, the City Building Official shall publish, within sixty (60) days after execution of this Executive Order, the "Expedited Plan Review Process" (Process), to be implemented by the Division of Building Services and Business Licensing (BSL). This Process will be available on the BSL website (<u>www.slcgov.com/ced/buildzone/</u>). This Process will include a section entitled "Standards for Eligible Green Building Projects" that describes, in detail, the LEED and/or ENERGY STAR requirements, including the type and distribution of points, that will need to be met for a project to qualify under the "Expedited Plan Review Process."

Projects that are in keeping with the City's aggressive initiative to lessen the impact on the environment will apply for expedited plan review by:

- Submitting an Application for Expedited Plan Review that demonstrates how the project will meet the City's current "Standards for Eligible Green Buildings" as documented in the published "Expedited Plan Review Process";
- Meeting with City staff to discuss how the project will comply with the City's current "Standards for Eligible Green Buildings"; and
- Submitting a refundable Green Building Deposit of \$5,000 in the form of a cashier's check or credit card payment.

After meeting the three criteria above, City staff will determine within three (3) business days if the project is approved for expedited plan review. If the project is not approved, City staff will notify the applicant and refund the Green Building Deposit within fourteen (14) business days.

Once the project is completed and appropriate certification has been obtained as described in the City's "Standards for Eligible Green Buildings" within the "Expedited Plan Review Process," the applicant who was previously approved for expedited plan review may apply for a refund of the Green Building Deposit. If the project does not meet the "Standards for Eligible Green Buildings" as approved by City staff and demonstrated by appropriate certification, the Green Building Deposit will not be refunded, depending on circumstances and at the sole discretion of the Building Official.

Interest will not accrue on any deposit made under this Executive Order.

#### **Effective Date:**

This Executive Order will become effective sixty (60) days after execution hereof. Upon the effective date of this Executive Order, the Division of Building Services and Business Licensing will implement the "Expedited Plan Review Process," which includes the City's "Standards for Eligible Green Buildings." These Standards will document the project requirements and application process used by Building Officials to support this Executive Order. The Division of Building Services may amend or revise these Standards at any time so as to support the City's goal of continual improvement in building sustainability consistent with this Executive Order.

#### **Implementation**:

This Executive Order is not intended to supersede any federal, state or local law, including, without limitation, provisions of the Salt Lake City Code, including but not limited to those relating to the criteria for evaluating historic buildings or sites; or any contract, grant, or other funding requirement; or other standards or restrictions that may otherwise apply to an applicable building project.

This Executive Order is not intended to supersede any federal, state, or local law that gives statutory priority to any applicant, including a charter school under Utah Code Ann. § 10-9a-305(8)(b) (Supp. 2008), as amended.

This Executive Order does not alter or amend the Executive Order, dated January 19, 2006, requiring all public buildings owned or operated by the City to be built or renovated to LEED Silver standards.

This Executive Order may be suspended, if in the discretion of the City Building Official, or his or her designee, the City does not have adequate personnel to carry out the terms of the Order.

This Executive Order is not intended to limit the discretion of the Building Official, or his or her designee, to act in an emergency or to otherwise process applications in a manner that serves the health, safety, or welfare of the City or its residents.

Nothing stated herein is intended to create a contract, whether express or implied.

## **Frequently Asked Questions:**

### **Frequently Asked Questions**

#### When will the Executive order be signed by the Mayor?

The objective is to have the executive order signed by the Mayor sometime around the end of August. The executive order allows the administration 60 days to develop a policy to administer the new program for priority plan review

# When will Building Services accept new plan review submittals into the new process with the incentives?

Sixty days after the Executive order is signed by the Mayor.

#### Why are LEED and Energy Star the standards used to judge sustainability?

Both of these standards have been refined over the years and are nationally recognized standards. They both have clear requirements and active easily executed certification standards and support organizations for the certifications.

#### Why is this program being accomplished by Executive Order VS a change to

#### the Ordinance via City Council approval?

The program is a precursor to a comprehensive sustainability initiative that will be accomplished in the near future with the help of a nationally recognized experienced consultant. The executive order saves the time the Planning Commission and City Council would be required for a proposed ordinance, which will be required to review and approve the comprehensive sustainability plan in the next year or so.

# How will the sustainability indicators be evaluated before plans are accepted into the prioritized plan review process?

A cursory review will be undertaken by plan review staff to evaluate the sustainability indicators included in the design and the requirements of each certification program. (EnergyStar and LEED)

# What happens if the project is never certified after the priority review is provided?

### provided?

CUSTOMERS WILL BE REQUIRED TO MAKE A \$5,000 DEPOSIT AT THE TIME THE PLANS ARE SUBMITTED REQUESTING PRIOITY REVIEW. THIS DEPOSIT IS FULLY REFUNDABLE UPON SUCCESSFUL CERTIFICATION WITH THE RESPECTIVE SUSTAINABLITY PROGRAMS. (NO INTEREST ACCRUES ON THIS DEPOSIT)

#### Who is responsible for providing the documentation of certification?

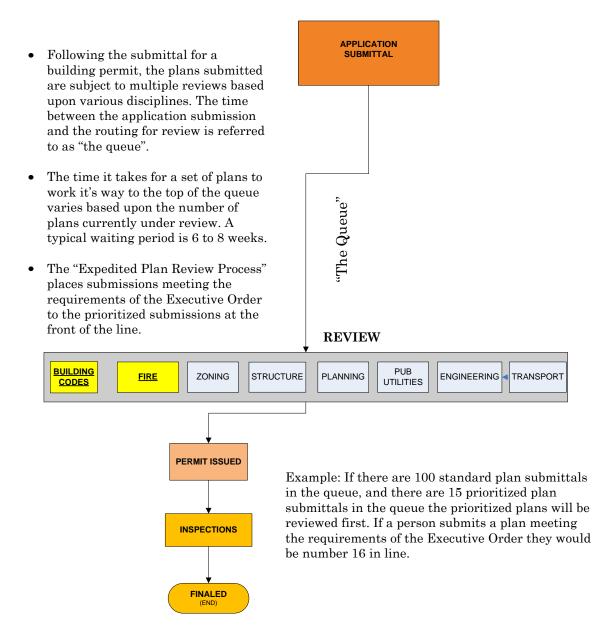
Proof of certification must be provided before the deposit can be refunded to the

customer that provided the deposit.

#### How does this initiative fit in with the City's overall sustainability initiative?

This executive order and subsequent policy for prioritized plan review is a quick step in the direction of overall sustainability program, which will be produced by a private contractor in tow phases over the next year or so.

# Salt Lake City LEEDs Certified / Energy Star "Expedited Plan Review Process"



**Public Comments:** 

## OPEN HOUSE LEED and Energy Star; Expedited Plan Review for New Construction Executive Order ATTENDANCE ROLL July 31, 2008

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ADDRESS 1920 E GATRO DR	ADDR:::ss
ZIP CODE_84108	ZIP CODR
PRINT NAME GOYLONS SMITH	PRINT NAME
ADDRESS ENGINE PLAT SLC	ADDRESS
ZIP CODE <u>84119</u> (535-6844)	XIP CODE
PRINT NAME LOSIN CARGAUL-H-	PRINT NAME
ADDRESS 1428 CAST SULWYADE AVE.	ADDRESS
zip codr. <u>84405</u>	ZIF CODE
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ADDRESS	ADDRESS
ZIF CODE	ZIP CODR
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## OPEN HOUSE LEED and Energy Star; Expedited Plan Review for New Construction Executive Order ATTENDANCE ROLL July 31, 2008

PRINT NAME Preston Koorner, Carbridge Band &	PRINT NAME Matt Alvarez Construction Site Solution
ADDRESS 39 & X change PL, STE 100	ADDRESS PO BOX H48 ZIP CODE PARK C, 49 Mtah
ZIP CODE SUL, UT 84111	ZIP CODE PARE C, 44 MT24 84060
PRINT NAME Tony Gearego	PRINT NAME KEN ANOCRSON
ADDRESS 2211 5 300 W	ADDRESS 451 5. 3774.72
ZIP CODE SLC, UT 84/15	ZIP CODE
PRINT NAME Rina the funt	PRINT NAME BARRY RYSTAMP
ADDRESS 3177 5 Highbaul Dr.	ADDRESS (837 E. 1300 S.
ZIP CODE	ZIP CODE 84108 -
PRINT NAME BRICE BAKER (HAMILTON PARTNER	PRINT NAME WARREN LISTO ALA
ADDRESS III &. BROADWAY #150	ADDRESS 511 E 300 5.
ZIP CODE SY II	ZIP CODE 64102
PRINT NAME Bryan Taylor (Thermwise)	PRINT NAME [ DAVID ENgel
ADDRESS 6782 S. Courtland Are	ADDRESS 758 S. REDWOOD RD
ZIP CODE	ZIP CODE
PRINT NAME WHITNEY WARD (VCBO	PRINT NAME KIRK MOUSHEBIAN (NEXANT)
ADDRESS 542 SOUTH 600 EAST	ADDRESS 30985. Hightiano De
ZIP CODE 84105	ZIP CODE SHIOG
Each TAMLOL (SIRQ CONST.)	
875 W. BAXTER DR.	PACE HART DESIGN
-5404155	SALT LAKE CVTY, 84103

## OPEN HOUSE July 31, 2008 Executive Order LEED and Energy Star; Expedited Plan Review for New Construction (City-wide)

Please provide us with the following information, so that we may contact you for further comment (please print clearly, thank you):

	Name BARRY RYS FAMP
	Address) 1837 E. 1300 S
	SLC, UT 84108
,	BRERY, RYSKAMP @ INTERFACEFLOR. COM. (include zip code)
1	Phone 801 582 2809 -
Any VI Any VI TruAT SOLA	UPERADR HENTING, LOOLING, WATER USAGE,
-> HOW D WHRN	POPES THRE CITY LOOK AT "CLIWIATE NEATHAC" PRODUCTS PURCHASING PRODUCTS FOR THRE CITY?
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From:	AIA UTAH [info@aiautah.org]
Sent:	Monday, July 28, 2008 12:32 PM
To:	Walkingshaw, Nole
Subject:	Re: LEED Expedited Plan Review
Follow Up Flag	: Follow up
Flag Status:	Red

Nole,

Thank you very much.

I have read through the draft executive order and will forward it to AIA leadership for their comments. I expect that we'll participate in the open house on Thursday.

I do have one question based on the following text:

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the project is approved for expedited plan review. If the project is not approved, City staff will notify

the applicant and refund the Green Building Deposit within fourteen (14) business days.

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long does the actual plan review take? I'm a little confused between approval for expedited plan review and the

actual plan review.

Thanks

Elizabeth

----- Original Message -----From: <u>Walkingshaw, Nole</u> To: <u>AIA UTAH</u> Cc: Jack Hammond ; John Shuttleworth ; <u>Goff, Orion</u> Sent: Monday, July 28, 2008 12:01 PM Subject: RE: LEED Expedited Plan Review

Elizabeth,

I have attached a copy of the final draft. Please take a look at it and provide any input you may have. We are having an open house this Thursday in the Salt Lake City and County Building room 126 from 4:30 to 6:00 if you would like to discuss some details.

Thank you, Nole

From: AIA UTAH [mailto:info@aiautah.org] Sent: Monday, July 28, 2008 11:01 AM To: Walkingshaw, Nole

7/29/2008

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From: AIA UTAH [mailto:info@aiautah.org] Sent: Monday, July 28, 2008 11:01 AM To: Walkingshaw, Nole

7/29/2008

From: JOHN A GARDINER [johngardiner1234@msn.com]

Sent: Monday, July 28, 2008 4:36 PM

To: Walkingshaw, Nole

Subject: Green Expedited Plan Review

#### Nole,

I am unable to attend the open house this week but want my input on this matter to be heard. I think that the idea that green buildings get some expedited plan review by the building inspectors is an ok idea. However, I believe that Mayor Becker and his administration has fallen into the same pattern of governance followed by the last administration; social issues taking priority over getting government running better. We have under development a 30 unit condominium project in Sugar House and have just submitted final plans for plan review. We are told by the City that our wait time will be 8 - 11 weeks. Almost 3 months to get a building permit is ridiculous. Now, the mayor wants to let green projects go to the front of the line. My input is that the administration should FIX THE PROBLEM IN CITY MANAGEMENT before it puts time and effort into social causes such as green building. Please fix the dysfunctional building permit system and get some leadership for the planning department before even thinking about green building initiatives.

Thank You

John A. Gardiner President Gardiner Properties, LLC 1075 East 2100 South Salt Lake City, Utah 84106

(801) 487-2012 (Office) (801) 487-2093 (Fax) (801) 971-6151 (Mobile)

7/29/2008

#### HAMILTON PARTNERS

Commercial Real Estate

Property Management

July 31, 2008

Acquisitions & Development

Ownership

Salt Lake City Corporation c/o Nole Walkingshaw 451 South State Street Salt Lake City, UT 84114

Re: Executive Order, LEED and Energy Star; Expedited Plan Review for New Construction

Honorable Mayor Becker,

Hamilton Partners is pleased to support your efforts in expediting plan review timeframes for new construction and applaud your dedication to encouraging a viable and sustainable city.

We will be interested to see the City's execution of this Order, and anticipate that this will be the impetus that will attract additional quality projects to Salt Lake City. Hamilton Partners hopes to see this order create a significant reduction in the timeframes necessary to entitle and permit projects that meet or exceed this requirement.

As you are aware, Hamilton Partners is currently working on the first LEED Certified hi-rise building in downtown, 222 South Main. We anticipate the building will qualify for at least a Silver rating. We are committed to providing the community with exceptional places to live and work and feel your Executive Order will encourage others to participate in this extremely important cause.

Hamilton Partners looks forward to many more successful projects and commend your vision and leadership as it relates to this cause.

Sincerely.

Buga Bik

Bryce Baker Development Manager Hamilton Partners, Inc.

111 East Broadway, Suite 150 Hamilton Partners • T.801.746.2888 F.801.746.2889 www.Hamiltonpartners.com

From:Zach Taylor [ztaylor@sirqinc.com]Sent:Friday, August 01, 2008 9:45 AMTo:Walkingshaw, NoleSubject:re LEED open house

Thanks for your time last night in discussing the LEED initiative that the mayor is putting in place.

My main concern with this executive order is in regards to the wording that will be in place as to what "expedited" actually means. I recognize that there is some "weasel wording" protecting the city from any sort of scheduling delays in getting the plans out quicker. That merely creates the need for the same type of exit clause for owners and architects. Who is to say what time frame is expedited and what is not. If you require applicants to post a cash bond / % based escalating charge for expedited plan check there has to be some guarantee, from the city, that there will be a certain schedule maintained, or a refund must be provided. In order for the bond contract to work it has to be equally beneficial for both parties.

You mentioned that you might need help with the next year's sustainable building conf. Let me know if I can be of any assistance.

Thanks again for your initiative in making Salt Lake greener.

Zachary Taylor LEED AP 801.598.3658 cel



**SIRQ Construction** 801.253.7825 off 801.253.7663 fax

8/1/2008

# 6<sup>TH</sup> AND 6<sup>TH</sup> Office Building Strategy For LEED NC Achievement

#### -LEED Silver Certified (anticipated)

-Project on existing building site

-Building reuse 75% of existing walls and floors

-Diversion of waste to landfill 75%

-Recycled content 10% of new materials

-Water efficient landscaping, native vegetation

-Low-Emitting materials

-Views to outside 90% of spaces

-Bicycle parking and shower

-Preferred parking for carpool and alternative fuel vehicles

-Green power credits purchased

-Environmental awareness display

-Access to public transportation

## -Historic Preservation Tax Credit

-Located in Local Historic District

-Approved by Historic Landmarks Commission

-Seismic upgrades to original 1907 structure

-Restoration of existing windows

-Rehabilitation of the three significant gable ends

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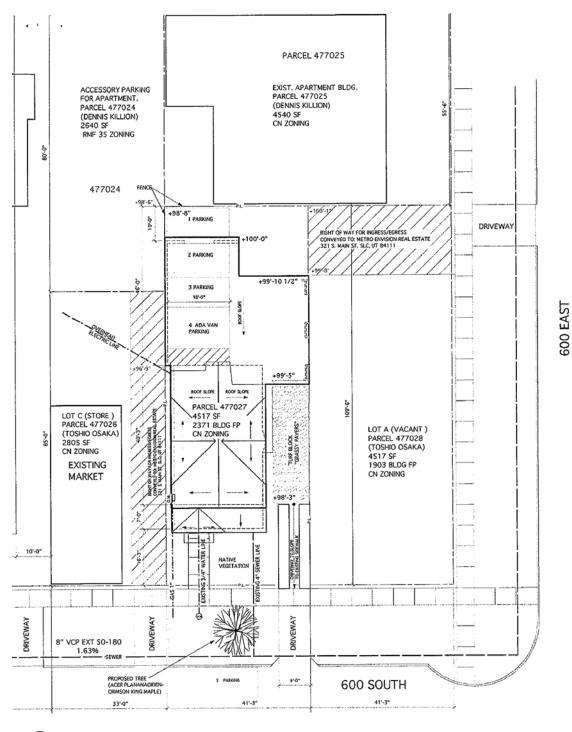
# 6th and 6th Office Building (Original Conditions)



# 6th and 6th Office Building (Current Conditions)



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SITE PLAN Scale: 1" = 10 ft

23

\* \* \*

LEED for New Construction v2.2 Registered Project Checklist

Project Name: 6TH AND 6TH OFFICE BUILDING Project Address: 573 E. 600 S. SALT LAKE CITY, UTAH 84102

Yes ? No 9 5	The second s	un bio Elus;	at a cont
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Prereq 1	Construction Activity Pollution Prevention	Required
1	Credit 1 Credit 2	Site Selection Development Density & Community Connectivity	1
1	Credit 3	Brownfield Redevelopment	1
	Credit 4.1 Credit 4.2	Alternative Transportation, Public Transportation Access Alternative Transportation, Bicycle Storage & Changing Rooms	1
1	Credit 4.3	Alternative Transportation, Low-Emitting & Fuel-Efficient Vehicles	1
1	Credit 4.4 Credit 5.1	Alternative Transportation, Parking Capacity Site Development, Protect or Restore Habitat	1
1	Credit 5.2	Site Development, Maximize Open Space	1
1		Stormwater Design, Quantity Control Stormwater Design, Quality Control	1
1	Credit 7.1	Heat Island Effect, Non-Roof	1
1	Credit 7.2 Credit 8	Heat Island Effect, Roof Light Pollution Reduction	1
1 Yes ? No			-
3 2		(Firefore)	2. / sP(5)2666
	Credit 1.1 Credit 1.2	Water Efficient Landscaping, Reduce by 50% Water Efficient Landscaping, No Potable Use or No Irrigation	1
1	Credit 2	Innovative Wastewater Technologies	1
1	Credit 3.1 Credit 3.2	Water Use Reduction, 20% Reduction Water Use Reduction, 30% Reduction	1
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16 60	Prereg 1	Fundamental Commissioning of the Building Energy Systems	Required
19. 20 C	Prereg 2 Prereg 3	Minimum Energy Performance Fundamental Refrigerant Management	Required Required
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4		Optimize Energy Performance           10.5% New Buildings or 3.5% Existing Building Renovations           14% New Buildings or 10.5% Existing Building Renovations           21% New Buildings or 10.5% Existing Building Renovations           21% New Buildings or 17.5% Existing Building Renovations           24.5% New Buildings or 17.5% Existing Building Renovations           28% New Buildings or 21% Existing Building Renovations           31.5% New Buildings or 24.5% Existing Building Renovations           35% New Buildings or 24.5% Existing Building Renovations           35% New Buildings or 31.5% Existing Building Renovations           38.5% New Buildings or 31.5% Existing Building Renovations           42% New Buildings or 35% Existing Building Renovations           38.6% New Buildings or 31.5% Existing Building Renovations           05.5% New Buildings or 35% Existing Building Renovations           42% New Buildings or 35% Existing Building Renovations	
4	Credit 1	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 7.6 Existing Building Renovations         17.5% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 14% Existing Building Renovations         24.5% New Buildings or 17.5% Existing Building Renovations         28% New Buildings or 17.5% Existing Building Renovations         31.5% New Buildings or 24% Existing Building Renovations         35% New Buildings or 24% Existing Building Renovations         36.5% New Buildings or 28% Existing Building Renovations         38.5% New Buildings or 31.5% Existing Building Renovations         32% New Buildings or 35% Existing Building Renovations         25% New Buildings or 35% Existing Building Renovations         26% New Buildings or 35% Existing Building Renovations         27.5% Renewable Energy         2.5% Renewable Energy         7.5% Renewable Energy	2 3 5 3 3 4 3 4 3 4 1 10 3 1 10 3 1 1
4	Credit 1	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 17.5% Existing Building Renovations         28% New Buildings or 21% Existing Building Renovations         31.5% New Buildings or 24.5% Existing Building Renovations         35% New Buildings or 24.5% Existing Building Renovations         38.5% New Buildings or 31.5% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         28.5% New Buildings or 35% Existing Building Renovations         28.5% New Buildings or 35% Existing Building Renovations         28.5% New Buildings or 35% Existing Building Renovations         42% Renewable Energy         12.5% Renewable Energy         12.5% Renewable Energy	1 1 1 1 1 1 1 1 1 1
	Credit 1	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 17.5% Existing Building Renovations         28% New Buildings or 21% Existing Building Renovations         31.5% New Buildings or 28% Existing Building Renovations         35% New Buildings or 36% Existing Building Renovations         38.5% New Buildings or 31.5% Existing Building Renovations         38.5% New Buildings or 35% Existing Building Renovations         2.5% Renewable Energy         2.5% Renewable Energy         12.5% Renewable Energy	1 3 5 3 5 3 4 3 4 3 4 1 10 3 1 10 3 1 1
	Gredit 1 Gredit 2 Credit 3 Gredit 4 Gredit 5	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 21% Existing Building Renovations         28% New Buildings or 21% Existing Building Renovations         31.5% New Buildings or 24.5% Existing Building Renovations         35% New Buildings or 24.5% Existing Building Renovations         38.6% New Buildings or 31.5% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         38.6% New Buildings or 35% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         2.5% Renewable Energy         2.5% Renewable Energy         12.5% Renewable Energy         Enhanced Cernfloaring         Enhanced Refrigerant Management         Measurement & Verlification	1 1 3 1 1 1 0 3 1 1 1 1 1
	Credit 1	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 17.5% Existing Building Renovations         28% New Buildings or 21% Existing Building Renovations         31.5% New Buildings or 28% Existing Building Renovations         35% New Buildings or 36% Existing Building Renovations         38.5% New Buildings or 31.5% Existing Building Renovations         38.5% New Buildings or 35% Existing Building Renovations         2.5% Renewable Energy         2.5% Renewable Energy         12.5% Renewable Energy	1 5 5 1 1 1 1 1 1 1 1
	Gredit 1 Gredit 2 Credit 3 Gredit 4 Gredit 5	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 21% Existing Building Renovations         28% New Buildings or 21% Existing Building Renovations         31.5% New Buildings or 24.5% Existing Building Renovations         35% New Buildings or 24.5% Existing Building Renovations         38.6% New Buildings or 31.5% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         38.6% New Buildings or 35% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         2.5% Renewable Energy         2.5% Renewable Energy         12.5% Renewable Energy         Enhanced Cernfloaring         Enhanced Refrigerant Management         Measurement & Verlification	2 3 5 3 5 1 to 3 1 1 to 3 1 1 1 1 1 1
	Credit 1 Credit 2 Credit 3 Credit 4 Credit 5 Credit 6	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 21% Existing Building Renovations         28% New Buildings or 21% Existing Building Renovations         31.5% New Buildings or 24.5% Existing Building Renovations         35% New Buildings or 24.5% Existing Building Renovations         38.6% New Buildings or 31.5% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         38.6% New Buildings or 35% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         2.5% Renewable Energy         2.5% Renewable Energy         12.5% Renewable Energy         Enhanced Cernfloaring         Enhanced Refrigerant Management         Measurement & Verlification	1 to 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 6	Credit 1 Gredit 2 Gredit 2 Gredit 3 Gredit 4 Gredit 5 Gredit 6 Preroq 1 Gredit 1.1	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 10.5% Existing Building Renovations         24.5% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 21% Existing Building Renovations         28% New Buildings or 21% Existing Building Renovations         38.5% New Buildings or 28% Existing Building Renovations         38.5% New Buildings or 31.5% Existing Building Renovations         38.5% New Buildings or 31.5% Existing Building Renovations         38.5% New Buildings or 31.5% Existing Building Renovations         39.7% New Buildings or 35% Existing Building Renovations         31.5% New Buildings or 35% Existing Building Renovations         32.5% New Buildings or 35% Existing Building Renovations         34.2% New Buildings or 35% Existing Building Renovations         2.5% Renewable Energy         2.5% Renewable Energy         12.5% Renewable Energy         13.5% New Building Renovations         5% Storage & Collection of Recyclables         Building Reuse, Maintai	1 to 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Credit 1 Credit 2 Credit 2 Credit 3 Credit 4 Credit 5 Credit 6 Prency 1	Optimize Energy Performance 10.5% New Buildings or 3.5% Existing Building Renovations 14% New Buildings or 10.5% Existing Building Renovations 21% New Buildings or 11% Existing Building Renovations 24.5% New Buildings or 21% Existing Building Renovations 28% New Buildings or 21% Existing Building Renovations 31.5% New Buildings or 24.5% Existing Building Renovations 38.5% New Buildings or 21.5% Existing Building Renovations 38.5% New Buildings or 31.5% Existing Building Renovations 38.5% New Buildings or 31.5% Existing Building Renovations 38.5% New Buildings or 35% Existing Building Renovations 38.5% New Buildings or 35% Existing Building Renovations 38.5% Renewable Energy 2.5% Renewable Energy 2.5% Renewable Energy 12.5% Renewable Energy Enhanced Commissioning Enhanced Refrigerant Management Measurement & Verification Green Power Storage & Collection of Recyclables	1 to 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Credit 1 Credit 2 Credit 2 Credit 3 Credit 4 Credit 5 Credit 6 Prereq 1 Credit 1.1 Credit 1.2	Optimize Energy Performance         10.5% New Buildings or 3.5% Existing Building Renovations         14% New Buildings or 10.5% Existing Building Renovations         21% New Buildings or 10.5% Existing Building Renovations         24.5% New Buildings or 17.5% Existing Building Renovations         24.5% New Buildings or 21% Existing Building Renovations         28% New Buildings or 21% Existing Building Renovations         38.5% New Buildings or 24.5% Existing Building Renovations         38.5% New Buildings or 31.5% Existing Building Renovations         38.5% New Buildings or 35% Existing Building Renovations         38.5% New Buildings or 35% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         38.5% New Buildings or 35% Existing Building Renovations         42% New Buildings or 35% Existing Building Renovations         0n-Site Renewable Energy         12.5% Renewable Energy         12.5% Renewable Energy         Enhanced Certification         Green Power         Storage & Collection of Recyclables         Building Reuse, Maintain 75% of Existing Walls, Floors & Roof	1 to 3 1 1 to 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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	Materials Reuse, 5%	1 Credit 3.1		
	Materials Reuse 10%	1 Credit 3.2		
	Recycled Content, 10% (post-consumer + ½ pre-consumer)	Credit 4.1		1
	Recycled Content, 20% (post-consumer + 1/2 pre-consumer)	Credit 4.2	1	
,	Regional Materials, 10% Extracted, Processed & Manufactured Regionally	1 Credit 5.1		
	Regional Materials, 20% Extracted, Processed & Manufactured Regionally	1 Credit 5.2		
	Rapidly Renewable Materials	1 Credit 6		
	Certified Wood	1 Credit 7	_	_
		No	?	Yes
er de la completion	ors of from a del Coelling.	3		12
Require	Minimum IAQ Performance	Prereg 1		济的
Require	Environmental Tobacco Smoke (ETS) Control	Prereq 2		行身
	Outdoor Air Delivery Monitoring	1 Credit 1		
	Increased Ventilation	1 Credit 2		
	Construction IAQ Management Plan, During Construction	Credit 3.1		1
	Construction IAQ Management Plan, Before Occupancy	Credit 3.2		1
	Low-Emitting Materials, Adhesives & Sealants	Credit 4.1		1
	Low-Emitting Materials, Paints & Coatings	Credit 4.2		· 1
	Low-Emitting Materials, Carpet Systems	Credit 4.3	1 A 1	1
	Low-Emitting Materials, Composite Wood & Agrifiber Products	Credit 4.4		1
	Indoor Chemical & Pollutant Source Control	Credit 5		1
	Controllability of Systems, Lighting	Credit 6.1		1
	Controllability of Systems, Thermal Comfort	Credit 8.2		1
	Thermal Comfort, Design	Credit 7.1		11
	Thermal Comfort, Verification	Credit 7.2		1
	Daylight & Views, Daylight 75% of Spaces	1 Credit 8.1		<u></u>
	Daylight & Views, Views for 90% of Spaces	Credit 8.2		1
	Bayinghi a views, views for 50% of Spaces	No	2	Yes
	THAT OUT OF COMPANY		٠'n	4
896.4879.0388.096.4998.024.2898.9989.4989 8	er versensenen er eneret meterenen användenden etalen att det det att det ener det att det det energieten etal Det energieten			
	Innovation in Design: Provide Specific Title	Credit 1.1	_	1
	Innovation in Design: Provide Specific Title	Credit 1.2		1
	Innovation in Design: Provide Specific Title	Credit 1.3		1
	Innovation in Design: Provide Specific Title	Credit 1.4		
	LEED <sup>®</sup> Accredited Professional	Credit 2		1
	LEED" Accredited Protessional			
	LEEU" Accredited Protessional	No	7	Yes

Certified: 26-32 points, Silver: 33-38 points, Gold: 39-51 points, Plathum: 52-69 points

LEED Project Fees:

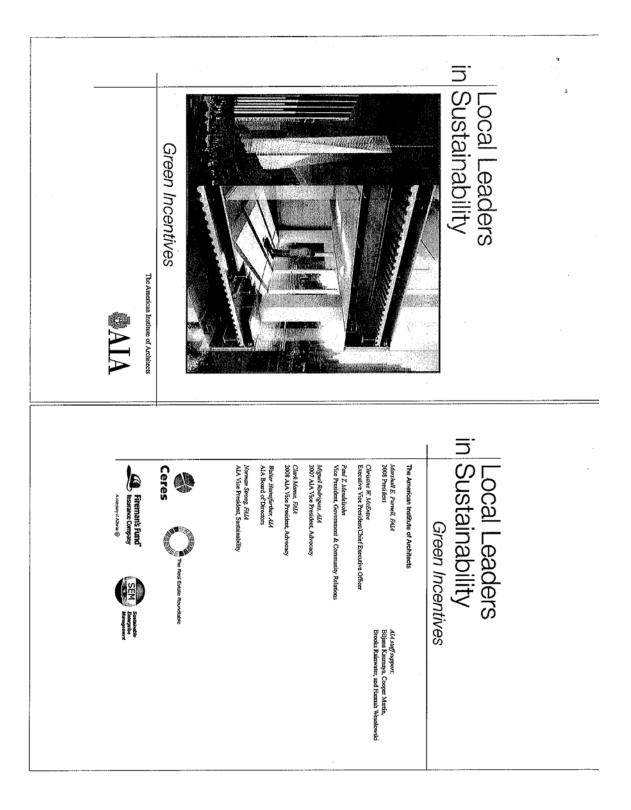
Registration Fees Members \$450.00

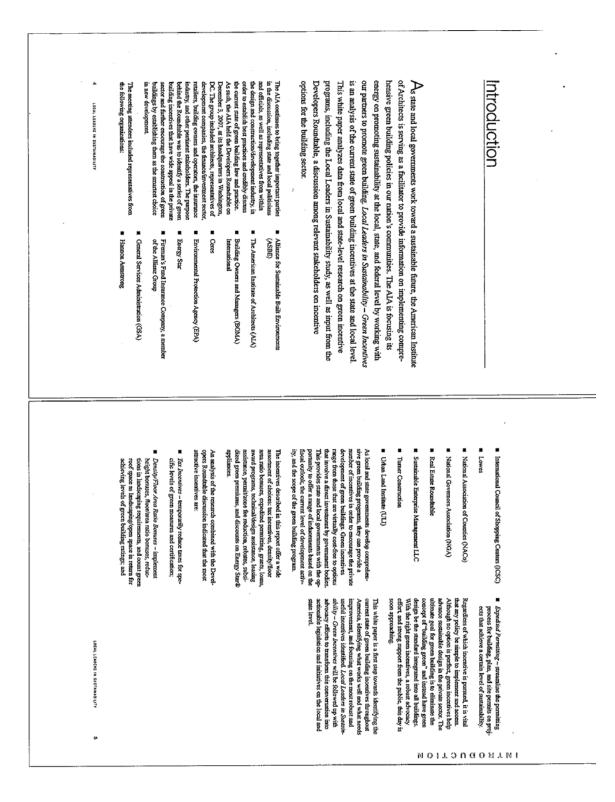
Members \$450.00 Non-Members \$600.00

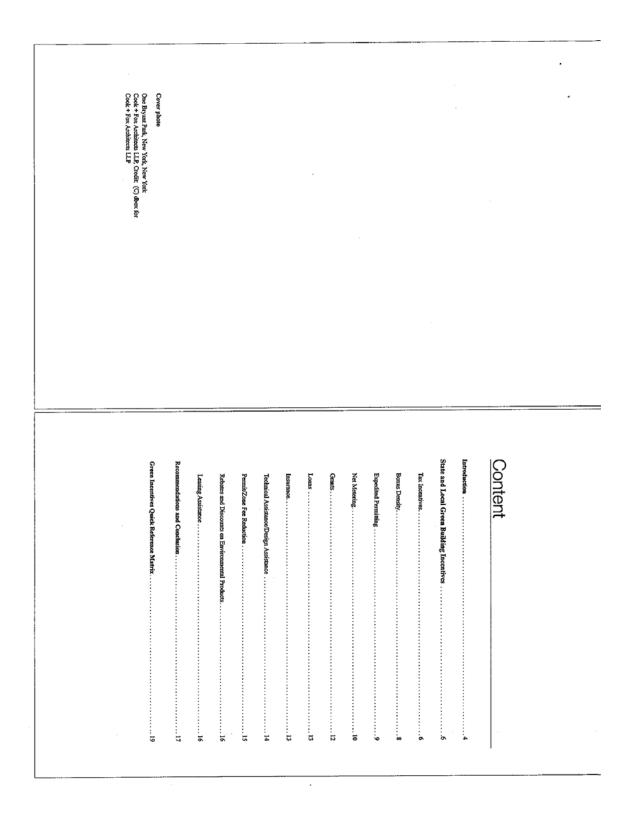
## **Certification Fees**

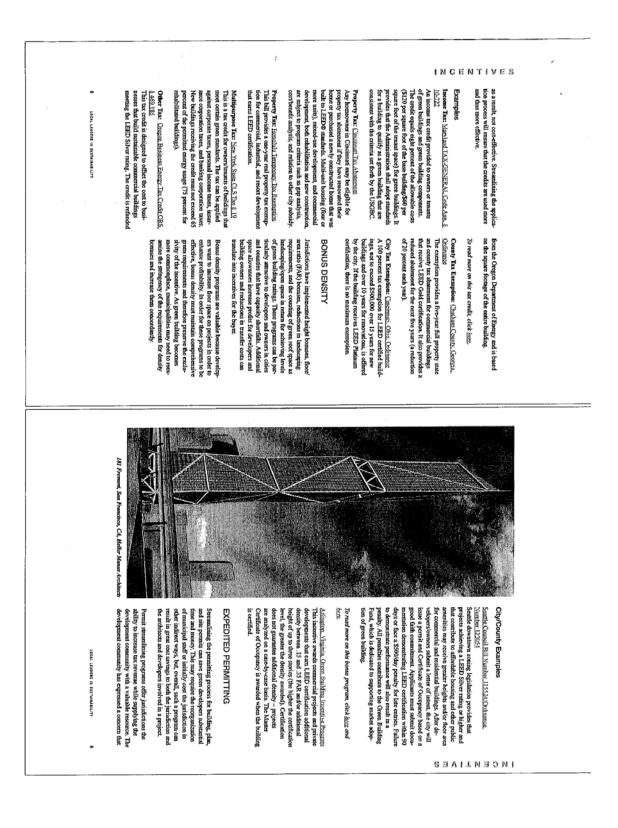
	Less than 50,000 Square Feet	50,000- 500,000 Square Feet	More than 500,000 Square Feet
LEED for: New Construction, Commercial Interiors, Core and Shell, and Schools	Fixed Rate	Based on Sq. Ft.	Fixed Rate
Design Review	en de la distriction de la construction de la distriction de la construcción de la construcción de la construc	a kanki dara da mangan kana na sina kana da mangan kana kana kana kana kana kana kana	
Members	\$1,250.00	\$0.025/ Square Foot	\$12,500.00
Non-Members	\$1,500.00	\$0.03/ Square Foot	\$15,000.00
Construction Review			
Members	\$500.00	\$0.01/ Square Foot	\$5,000.00
Non-Members	\$750.00	\$0.015/ Square Foot	\$7,500.00
Combined Design & Construction	<u>Review</u>		
Members	\$1,750.00	\$0.035/ Square Foot	\$17,500.00
Non-Members	\$2,250.00	\$0.045/ Square Foot	\$22,500.00
LEED for Existing Buildings	Fixed Rate	Based on Sq. Ft.	Fixed Rate
Initial Certification Review			
Members	\$1,250.00	\$0.025/ Square Foot	\$12,500.00
Non-Members	\$1,500.00	\$0.03/ Square Foot	\$15,000.00

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6 LOGEN KONKER IN BRETANN UTT	Permit/Zone Fee Roduction     Rebates and Discounts on Environmental Products     (e.g., Energy Star)     Lesting Assistance     This a set learnable is the sectionative field flowerine sensible, her     travelog conservation advantive field flowerine sensible, her     travelog or subject to the section of the setterness and data not     advance on discount on generation	Government can offer a number of incentives to encourage the private development of green buildings. These green incentives run the granut, and state and local governments can choose a range of inducements based on the fiscal outlook, the current level of development activity, and the scope of the green building program desired.         The following is a list of the nost commone * incentives       TAX INCENTIVES         offered by jurisdictions serves the country:       Tax incentives         1 Tax incentives       TAX INCENTIVES         2 Boars Density       Tax incentives are one of the most robust and widdy used forms of incentives are one of the most robust and widdy used forms of incentives they are be clearly satisfies to specific level of green certification and for both short- and long-term grads. These incentives are one offered in any of the following serves:         9 Grants (including for subsidization)       Corporate Tax (use level on the profits made by compared to explain the solit on the profits made by compared to explain the subsidiation of the subsidiation)         9 Creatives       Corporate Tax (use level on the profits made by compared to explain the solit on the stal gross reveaues of a company - changed to the stal grost reveaues of a company - changed to the stal grost profits levels	State and Local Green Building Incentives
1	haome Tax (ax levied on the financial income of person, corporations, or other legal entities) Property Tax/AV Valorem Tax (tax levied on the value of property) Sales Tax (tax levied on goods and services – charged at the point of purchase) Local Tax (tax levied from cities and counties)	<ul> <li>s to encourage the private development of e gamut, and state and local governments he fiscal outlook, the current level of devel-liding program desired.</li> <li>TAX INCENTIVES</li> <li>TAX incensives are one of the most robust and widely used forms of insentives to premote beneficial protections. They are particularly satied to gene building for gene certification and for both short- and long-term goals. These insentions can be offered for specific levels of green certifications and the both short- and long-term goals. These insents can be offered in any of the following areas:</li> <li>Corporate Tax (tax levied on the profits made by companies or associations)</li> <li>Gross Roceipe Tax (tax levied on the total gross revenues of a company – changed to the seller of goods)</li> </ul>	Building Incentives
developers may not be able to reap the same financial	a portion contexpt process for efficient occupt materia and a portion that the building at one year out, three years out, c.t. Efficiency information should be available from either the state, as in the state programs Efficiency Maine and Efficiency Vennout, or from utility compaties, as many already maintain date on energy usage. Tax abartenents have generally been offered as transmouter buying and saling quickly. However, many large projects can also as served years buying as soling quickly. However, many large projects can also as zerved years of complete, no	densit) boulding transmits, corporate boulding transmits, correst- densital boulding, transmits, correst- avuilable to entice each group. Additional costs for designing and boulding greem are typically adju of front; yet the benefits gained from neduced energy costs are earned over the building's lifetime. At such, short-term livestors may never re- alize the lifetime cost staving. Intendistics tax benefits can encourage them to build green. Building yours that reat properties my also never ratike two benefits can encourage them to build green. Building works that reat properties my also never ratike energy savings and therefore periods to build green, and tax encourage small developers to build green, and tax encourage mail developers to build green, and tax abstrantis for the real property transfer costs is nome localities. It addition, a flow on maniform are to be localities. It addition, a toxics on maniform the benefit development could be used to promote more liviable communities. Incremental tax rebates, which would be offered at different levels of development, have also before as a further level of development, have also bother sag- gered as a means to encourage all parties involved in the development/coursing process to build green.	Tax shatement is the most flexible incentive because municipalities have the opportunity to approve a number of great performance standards and allocate the abatement to any tax, jurisdiction. It is important to remember that many developer whether they are small developers, large developers, abort-term investors, developers, large developers, abort-term investors,
	be used to provide energy andris and energy norbain call assistance. The Energy Efficient Commercial Tax deduction and Energy Efficient Commercial Tax are worthwhile federal programs that provide assis- tance to building owners and localizating governments to promote sustainability. On the whole, tax coeffic programs works as a positive incentive for green development. However, some pro- grams remain compleated in nature, and builders and owners often into the effort to complete the application owners often into the effort to complete the application.	Deligs, Acid. 2020; Obbis. Law 100-503 errated a prev tax interactive for constructing energy efficient commercial buildings. Specifically, Sacifically, Sacif	Versellss from the abatement as short-term buyers/ sellers since it may no longer be available when the project is finished. In the future, it will be important to make sure that tax abatements are designed so that they can be utilized in the long-term and are flexible enough to adjust for new concerns. Federal tax credits are also helpful to offiset additional

