

VILLAGE OF DOWNERS GROVE
COUNCIL ACTION SUMMARY

INITIATED: Grants Coordinator **DATE:** June 1, 2004
(Name)

RECOMMENDATION FROM: _____ **FILE REF:** _____
(Board or Department)

NATURE OF ACTION:

- Ordinance
- Resolution
- Motion
- Other

STEPS NEEDED TO IMPLEMENT ACTION:

Motion to Adopt "A RESOLUTION AUTHORIZING SUBMITTAL OF GRANT APPLICATION TO THE ILLINOIS CLEAN ENERGY COMMUNITY FOUNDATION FOR FY 2004 ENERGY EFFICIENT LED TRAFFIC SIGNAL UPGRADE GRANT PROGRAM", as presented.

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SUMMARY OF ITEM:

Adoption of the attached resolution will authorize submittal of a grant application to the Illinois Clean Energy Community Foundation for funding in the amount of \$25,255 to replace existing traffic signal bulbs with energy efficient bulbs. Note, the Village must also contribute approximately \$42,000 toward the traffic signal upgrade project not covered by the grant.

RECORD OF ACTION TAKEN:

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING SUBMITTAL OF GRANT APPLICATION TO THE
ILLINOIS CLEAN ENERGY COMMUNITY FOUNDATION
FOR FY 2004 ENERGY EFFICIENT LED TRAFFIC SIGNAL UPGRADE GRANT PROGRAM**

WHEREAS, the Village of Downers Grove, an Illinois municipal corporation, has developed grant application FY 2004 Energy Efficient LED Traffic Signal Upgrade Grant Program for funding in the total amount of \$25,255 for the support of upgrading traffic signals with light emitting diode (LED) bulbs; and

WHEREAS, the Village Council has reviewed said grant application and agreement conditions, and has authorized the filing of said application with the Illinois Clean Energy Community Foundation.

NOW, THEREFORE, be it resolved by the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the Village of Downers Grove submit the FY 2004 Energy Efficient LED Traffic Signal Upgrade Grant Program application of the Village of Downers Grove in the amount of \$26,855 for upgrading traffic signals with light emitting diode (LED) bulbs.
2. That the Village of Downers Grove agrees to the conditions and requirements listed in the grant application.
3. That this resolution shall be in full force and effect from and after its passage as provided by law.

Mayor

Passed:

Published:

Attest: _____

Village Clerk



Illinois Clean Energy
community foundation

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**Energy Efficient LED Traffic
Signal Upgrade Grant Program**

2004 APPLICATION FORM

Please print clearly, type or download from www.illinoiscleanenergy.org to complete electronically and print out.

Legal name of unit of government applying for grant:

Primary contact regarding traffic signal upgrade project at unit of government applying for grant:

Name: Title:

Mailing Address:

City: Zip Code: County:

Phone: Fax: E-mail:

Total number of signalized intersections operated by applicant:

Total number of signalized intersections and traffic signal heads to be upgraded to LED bulbs through this proposed traffic signal upgrade project.

Total estimated cost of proposed traffic signal upgrade project:

In estimating the cost of the upgrade project, **include only costs associated with upgrading traffic signals to LEDs**, i.e., the cost of new LED bulbs and labor to install them. **Do not include the costs of other work** that may be done at the same time but is unrelated to the LED upgrade, such as replacement of traffic signal heads or other system repairs or improvements.

Amount of grant being requested from the Illinois Clean Energy Community Foundation to complete proposed traffic signal upgrade project:

This should match the amount in the box in the lower right-hand corner of page 2 of this form.

Please initial here: **In all signals upgraded to LEDs with this grant, applicant agrees to permanently use only LEDs or other bulbs that are at least as energy efficient as LEDs.**

To be considered by the Illinois Clean Energy Community Foundation, **both pages of this application form must be completed, it must be signed** (below) and **it must be accompanied by a cover letter** on unit of government letterhead that includes the following information:

- an explanation of how the unit of government applying for this grant would pay for the portion of the traffic signal upgrade project **costs not covered** by the requested grant;
- the **estimated timeline** for completing the traffic signal upgrade;
- a description of any planned **educational efforts** to inform the public in your community about the traffic signal upgrade and the benefits of energy efficiency; and
- a description of how the **cost savings** that result from the traffic signal upgrade will be used.

Signed: Date:

(This must be an original signature of an authorized representative of the applicant.)

Name: Title:

**Energy Efficient LED Traffic Signal Upgrade Grant Program
2004 APPLICATION FORM – Page 2**

EXISTING EQUIPMENT	Size and Type of Bulb/Signal	Number of Existing Units to be Replaced	Pre Upgrade Wattage in kW (no. of units x existing wattage per unit ÷ 1000)	PROPOSED EQUIPMENT	Size and Type of Bulb/Signal	Number of New Units to be Installed	Post Upgrade Wattage in kW (no. of units x new wattage per unit ÷ 1000)	Rebate = (the lesser of the listed amount or the actual unit cost)	TOTALS (no. of units x rebate per unit)
Incandescent Pedestrian Signals	8-inch signal		kW	LED Pedestrian Signals	8-inch signal	0	kW	\$40.00	\$0.00
	12-inch signal	95	6.6 kW		12-inch signal	95	0.5 kW	\$65.00	\$6,175.00
Incandescent Traffic Balls	8-inch red		kW	LED Traffic Balls	8-inch red		kW	\$20.00	\$0.00
	8-inch green		kW		8-inch green		kW	\$40.00	\$0.00
	8-inch yellow		kW		8-inch yellow		kW	\$25.00	\$0.00
	12-inch red	121	12.1 kW		12-inch red	121	1.2 kW	\$30.00	\$3,630.00
	12-inch green	121	12.1 kW		12-inch green	121	1.5 kW	\$60.00	\$7,260.00
Incandescent Traffic Arrows	12-inch yellow	121	12.1 kW	LED Traffic Arrows	12-inch yellow	121	2.7 kW	\$40.00	\$4,840.00
	8-inch red		kW		8-inch red		kW	\$15.00	\$0.00
	8-inch green		kW		8-inch green		kW	\$30.00	\$0.00
	8-inch yellow		kW		8-inch yellow		kW	\$15.00	\$0.00
	12-inch red	4	0.4 kW		12-inch red	4	0.0 kW	\$25.00	\$100.00
	12-inch green	45	4.5 kW		12-inch green	45	0.2 kW	\$50.00	\$2,250.00
	12-inch yellow	0	4.0 kW		12-inch yellow	40	0.4 kW	\$25.00	\$1,000.00
Total Electricity Demand Before LED Upgrade =			51.8 kW	Total Electricity Demand After LED Upgrade =			6.4 kW	Requested Grant Amount =	\$25,255.00