



JON S. CORZINE
Governor

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JOHN R. WEINGART
Chairman

EILEEN SWAN
Executive Director

MEETING AGENDA

Thursday, March 19, 2009 - 1:00 p.m.

1. CALL TO ORDER
2. ROLL CALL
3. OPEN PUBLIC MEETINGS ACT
4. PLEDGE OF ALLEGIANCE
5. APPROVAL OF MINUTES – February 26, 2009
6. CHAIRMAN'S REPORT (and Council Member Reports)
7. COMMITTEE REPORTS
 - a. Budget and Finance Committee – Council Member Cogger
8. EXECUTIVE DIRECTOR'S REPORT
 - a. Financial Report for 2008 Annual Report
 - b. Regional Master Plan Budget
 - c. Update on 2009 Plan Conformance Grant Program
9. CONSIDERATION OF RESOLUTION – *Approval of Certain Planning Assistance Grants* - (voting matter with public comment)
10. CONSIDERATION OF RESOLUTION – *Approval of Certain Sustainable Agriculture Grants* - (voting matter with public comment)
11. PUBLIC COMMENTS (*please note – the Council requests that public comments be limited to three (3) minutes per person. Questions raised in this period will not be responded to at this time but, where feasible, will be followed up by the Council and its staff.*)
12. EXECUTIVE SESSION (if deemed necessary)
13. ADJOURN

NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
MINUTES OF THE MEETING OF MARCH 19, 2009

PRESENT

JOHN WEINGART) CHAIRMAN

KURT ALSTEDE) COUNCIL MEMBERS

ELIZABETH CALABRESE)

TRACY CARLUCCIO)

BILL COGGER)

MIMI LETTS)

TAHESHA WAY)

TELECONFERENCE

JANICE KOVACH)

DEBBIE PASQUARELLI)

ERIK PETERSON)

JACK SCHRIER)

GLEN VETRANO)

SCOTT WHITENACK)

CALL TO ORDER

The Chairman of the Council, John Weingart, called the 83rd meeting of the New Jersey Highlands Water Protection and Planning Council to order at 1:12 pm.

ROLL CALL

The members introduced themselves.

OPEN PUBLIC MEETINGS ACT

Chairman Weingart announced that the meeting was called in accordance with the Open Public meetings Act, N.J.S.A. 10:4-6 and that the Highlands Council had sent written notice of the time, date, and location of this meeting to pertinent newspapers or circulation throughout the State and posted on the Highlands Council website.

PLEDGE OF ALLEGIANCE

APPROVAL OF MINUTES OF February 26, 2009

Ms. Calabrese introduced a motion to approve. Ms. Letts seconded it. Ms. Pasquarelli abstained. Messrs. Alstede, Peterson and Vetrano were absent. All other members present voted to approve. The minutes were APPROVED.

CHAIRMAN'S REPORT

Chairman Weingart announced that PSE&G asked for more time for their presentation.

BUDGET & FINANCE COMMITTEE REPORT

Chair Cogger reported that the committee had reviewed the Statement of Activities for January 1 through June 30, 2008, and the RMP Budget for 2009 for inclusion in the required 2008 Annual Report. He noted that the RMP Budget had already been approved and there was no action required

by the Highlands Council but just approval for the Report. The Council indicated approval. Mr. Cogger thanked Ranji Persaud for his work on financials for the reports.

EXECUTIVE DIRECTORS REPORT

Ms. Swan began her report with a summary of the Plan Conformance information. To date, 72 municipalities have filed a Notice of Intent to conform to the Regional Master Plan. These municipalities represent 775,000 of the 860,000 acres of the Highlands Region or 90% of the Region as a whole and 80% of the Planning Area. She also reviewed the progress on Module 1 and noted that two training sessions will be held for Module 2.

Mr. Vetrano joined the meeting. Mr. Peterson joined the meeting by teleconference.

At this point, the meeting was interrupted by a member of the public who refused to adhere to meeting protocols in spite of requests from the Chair of the meeting. The individual was asked to leave by the police but later allowed to reenter the meeting room by the Chair after promising to adhere to meeting procedures.

Ms. Swan continued with her report mentioning the dates of March 30 and April 3 for the Module 2 training for municipal professionals. She described the importance of the data verification process as a result of Module 1 and the fact that it is linked to spatial maps and detailed to block and lot level. Under Module 2, the verified geodatabase is returned to the municipalities to then commence work on capacity constraints. She explained that the information had originally been generated regionally and that now it was being verified at the municipal level.

For Modules 3 through 6, Ms. Swan gave an overview of the status noting that guidance on the use of the municipal build-out results for the creation of Housing Elements and Fair Share Plans (Module 3) is still being developed. The Environmental Resource Inventory (Module 4) template has been finalized after close of the public comment period, and instructions on municipal use of the template are being developed. The model Highlands Master Plan Element (Module 5) has been provided to Council members for review with the intent to release it for informal public review with public comments due by mid-April. Work continues on the Highlands Model Ordinances (Module 6, Land Use Ordinance and Board of Health Ordinance).

Ms. Swan continued with an update on grants noting that, as of last evening, 61 municipalities had applied for Plan Conformance grants. The total number of Initial Assessment grants awarded to date is 69, and Lebanon Borough had been added for today's consideration by the Council. Chairman Weingart asked whether the counties were involved in the workshops. Ms. Swan explained that the County approach was different because there was no build out being conducted for the counties and therefore no need for Module 1 and 2 for the counties. However, the counties continue to have their regular meetings with the Council staff.

She reviewed the process that would be followed with the minutes for the Highlands Development Credit Bank (HDC) explaining that, in accordance with the HDC's recently adopted by-laws, the minutes of the HDC Bank would be presented to the Highlands Council for review as follows:

A true copy of the Board's meeting minutes shall be prepared and forthwith delivered to the Highlands Council. The meeting minutes shall be deemed approved if no affirmative action of the Highlands Council disapproving the meeting minutes is taken at the Highlands Council's next

subsequent meeting following deliverance of the Board's meeting minutes. No action taken at such meetings by the Board shall have effect until the Highlands Council's period of review has expired.

She then noted that if the Highlands Council did not take any action today that the HDC Bank minutes would be included with the Highlands Council minutes for submission to the Governor's Authorities Unit. She suggested that language will be added to the minutes to alert the Governor's Office that their veto power over the Council's minutes could be exercised such that the HDC Bank minutes would be likewise vetoed if desired.

Mr. Weingart left the meeting. Treasurer Bill Cogger assumed the role of the Chair

RESOLUTIONS

I. CONSIDERATION OF RESOLUTION – Approval of Certain Planning Assistance Grants - (voting matter with public comment)

The Highlands Council initiated a grant application process for Initial Assessment grants to municipalities within the seven Highlands Counties in furtherance of Plan Conformance, in an annual amount not to exceed \$1,500,000. Council staff reviewed the grant applications and recommend grants for Council consideration. Ms. Swan gave a summary of the grants previously applied for and status:

1. Morris Plains Borough – Requesting \$15,000. This is their first grant request. They have also simultaneously applied for the 2009 Plan Conformance Grant.
2. Pequannock Township – Requesting \$15,000. Previously, they had received a COAH Round 3 Grant for \$7,500 with a resolution date of 10/6/05 and an execution date of 12/19/05. This grant is scheduled to be closed out due to a lack of submittal by the Township to COAH by the deadlines COAH established.
3. Lebanon Borough – Requesting \$15,000. They had received a COAH – Non-Sub certified grant for \$12,500, which was not paid out because they are under court jurisdiction.

Ms. Letts introduced a motion to approve. Mr. Whitenack seconded it. There was no public comment. Mr. Weingart was absent for the vote. All other members voted to approve. The resolutions were APPROVED.

Mr. Weingart rejoined the meeting.

II. CONSIDERATION OF RESOLUTION – Approval of the Hunterdon County Agricultural Market Development Program (voting matter with public comment)

Ms. Swan reviewed the activity on this grant program to date. She explained that the grant application from Hunterdon County seeks to continue agriculture marketing initiatives begun under a previously approved Highlands Council grant of \$50,000 which is part of a two-year grant program. The activities associated with this grant include: 1) Group promotion and marketing of markets that sell produce from farmers in Highlands communities; 2) Community Market Mini Grants to assist in individual farmer's market promotion; 3) Website updates on the NJ\Council of

Farmers and Communities website. Hunterdon County is requesting a \$120,000 grant (\$40,000/year over 3 years).

Ms. Swan explained that the County did not expend all of the original \$50,000 grant; it is recommended that the remainder of the first year's grant (\$23,276) be supplemented with an additional \$16,724 bringing the available funds for 2009 to the requested \$40,000. While the request is for a three year grant, it is recommended that a second year grant be approved consistent with the Council's two year grant program.

Previously, Hunterdon County also received a Sustainable Agriculture Grant for Integrated Pest Management (IPM) for \$75,000 with a resolution date of 2/15/07, an execution date of 9/11/07 and a payment date of 1/15/09 (\$75,000). The county has been approved for a County Initial Assessment Grant in the amount of \$15,000.

Ms. Carluccio introduced a motion to approve this resolution. Mr. Cogger seconded it.

PUBLIC COMMENT ON THIS RESOLUTION

David Shope, Lebanon Township

Mr. Shope commented on the low average return for farm crops. He did not believe that allocating these funds would address that problem.

Joseph Mikulewicz, President, NJ Council of Farmers and Communities

Mr. Mikulewicz spoke in support of this grant funding. He asked that the Highlands Council take up any future grants earlier in the year so that his organization could provide information packages to farmers and farmers markets about the availability of grant program prior to the planting season.

Deborah Post, Chester Township

She spoke against the grant funding and asked that any excess funds be given to landowners for compensation of loss of land value.

All members present voted to approve the resolution. The resolution was APPROVED.

III. CONSIDERATION OF RESOLUTION – Approval of Hunterdon County Integrated Crop and Pest Management Program - (voting matter with public comment)

Ms. Swan gave an overview of this grant application from Hunterdon County saying that it seeks to continue an Integrated Pest Management (IPM) grant previously awarded by the Highlands Council. The primary objective of this grant is to help growers in the Highlands reduce the use of potentially toxic pesticides and replace them with newer, reduced risk and environmentally soft integrated pest management solutions. Also, the program aims to educate farmers about integrated pest and crop management practices. It is the recommendation of the Council Staff that the Highlands Council pass a resolution in support of a second year of funding of \$75,000 for these endeavors.

Ms. Carluccio commented that this was a good program and Ms. Letts asked if the Council would award a grant annually. Ms. Swan explained that if it was the Council decision to continue to support

the goal of sustainable agriculture that the program could continue. Mr. Alstede spoke in support of this program and said that it would not be in existence but for these grant monies.

Ms. Carluccio introduced a motion to approve this resolution. Mr. Whitenack seconded it.

PUBLIC COMMENT ON THIS RESOLUTION

David Shope, Lebanon Township

Mr. Shope noted that only 15% of Hunterdon County was in the Highlands and asked why the Highlands Council would provide this funding.

Mr. Alstede explained that this grant program was available to all farmers in the Highlands Region, not just Hunterdon County, and that, in this case, the program was administered by Hunterdon County.

Mr. Weingart asked what members were still on the phone. Ms. Pasquarelli and Mr. Peterson were still on the teleconference. Ms. Kovach and Mr. Schrier had left the call.

Ms. Kovach and Mr. Schrier were absent. All other members present voted to approve the resolution. The resolution was APPROVED.

IV. CONSIDERATION OF RESOLUTION – Approval of the Warren County Agricultural Market Development Program – (voting matter with public comment)

Ms. Swan began the discussion of this resolution with the following information. This grant application from Warren County is requesting \$50,000 to promote Farmer's Markets and Agritourism in Warren County. The main purpose of this grant will be to attract visitors and local residents to locally grown food in the Warren County area through media and marketing materials. Deliverables will include a "Visit Warren" magazine, radio and print advertisements, and promotional farmer's market brochures. It is the recommendation of the Council Staff that the Highlands Council pass a resolution in support of this application in the amount of \$50,000.

Previously Warren County has received a CP3 Grant (Parcel Data) for \$57,000 with a resolution date of 12/1/05, an execution date of 12/19/05 and payment dates of: 3/9/07 (\$28,500), 4/8/08 (\$14,250), and 12/16/08 (\$14,250).

Ms. Carluccio introduced a motion to approve this resolution. Ms. Letts seconded it.

PUBLIC COMMENT ON THIS RESOLUTION

David Shope, Lebanon Township

Mr. Shope spoke against allocating funds for this grant.

Joseph Mikulewicz, President, NJ Council of Farmers and Communities

Mr. Mikulewicz spoke in favor of the grant. He noted that 800-1,200 residents in Chatham visited the farmers market there and that there are many farmers markets in operation around the State because residents recognize the need for home grown products and reducing their carbon footprint.

Deborah Post, Chester Township

Ms. Post raised the issue of using taxpayer money for promoting farmers markets but not other businesses.

Ms. Kovach and Mr. Schrier were absent. All other members present voted to approve this resolution. The resolution was APPROVED.

Mr. Alstede raised the issue of limiting the number of times that a Council Member could call in to Council meetings citing the background noise as a disturbance. He asked that the Council reexamine its telephone policy. Mr. Weingart asked staff to determine what other bodies had as their practices. Ms. Calabrese suggested that limiting background noise would be helpful.

Chairman Weingart announced that the next Highlands Development Credit Bank meeting would be April 2 at 1 pm and the next Highlands Council meeting would be April 16 at 10 am.

PUBLIC COMMENT

Alice Shane, Property owner Hampton Borough and member of the press

Ms Shane was asked if she were speaking as a landowner or member of the press. Ms Shane responded that she was speaking as a landowner but might write about the meeting.

Ms. Shane asked if the Highlands Council had appealed to the Legislature for property owner compensation and asked what the future plans were to take a stronger stand.

Mr. Weingart commented that the Council had on numerous occasions voted to ask the Legislature to establish a stable source of funding and that some individual legislators had pursued different approaches.

David Shope, Lebanon Township

Mr. Shope expressed his concern that the Highlands Council staff is the same staff that serves the Highlands Development Credit Bank. He made comments about the caliber of the staff.

Deborah Post, Chester Township

She asked if the Highlands Council agreed with the initial pricing for the TDR program, citing the presentations at the HDC Bank meeting for Long Island and Pinelands indicating higher initial values on the dollar.

Helen Heinrich, NJ Farm Bureau

She commented about the desperation among landowners for compensation and that the Governor had committed to having something on the ballot, but had not added anything yet. She also thanked the Council for the grants awarded to the two counties that had taken advantage of the programs.

Ms. Swan mentioned that Sussex County had submitted a grant application at the request of the staff, but that the application would be acted on after submission of invoices for the current year's sustainable agriculture grant. There were also two municipal applications, but those applications were not administratively complete at this time.

The meeting was adjourned at 2:17 pm.

CERTIFICATION

TRUE COPY

I hereby certify that the foregoing is a true copy of the minutes of the meeting of the Highlands Water Protection and Planning Council.

Date: 4/17/09

Name: Paula M. Dees
Paula M. Dees Executive Assistant

Vote on the Approval of these Minutes

	<u>Motion</u>	<u>Second</u>	<u>Yes</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Councilmember Alstede			✓			
Councilmember Calabrese						✓
Councilmember Carluccio			✓			
Councilmember Cogger						✓
Councilmember Kovach			✓			
Councilmember Letts		✓	✓			
Councilmember Pasquarelli			✓			
Councilmember Peterson					✓	
Councilmember Schrier	✓		✓			
Councilmember Vetrano						✓
Councilmember Way						✓
Councilmember Whitenack			✓			
Councilmember Weingart			✓			

HIGHLANDS DEVELOPMENT CREDIT BANK
MINUTES OF THE MEETING OF FEBRUARY 2, 2009

PRESENT

SCOTT WHITENACK)	CHAIRMAN
SUSAN CRAFT)	DIRECTOR
DALE DAVIS III)	DIRECTOR
KENNETH KLIPSTEIN)	DIRECTOR
THEODORE MAGLIONE)	DIRECTOR
RALPH SIEGEL)	DIRECTOR
JOHN WEINGART)	DIRECTOR

TELECONFERENCE

MICHAEL HALPIN)	DIRECTOR
ERIK PETERSON)	DIRECTOR

CALL TO ORDER

The Chairman of the Board, Scott Whitenack, called the 1st meeting of the Highlands Development Credit Bank Board of Directors to order at 1:15 pm.

ROLL CALL

The members introduced themselves.

OPEN PUBLIC MEETINGS ACT

Chairman Whitenack announced that the meeting was called in accordance with the Open Public meetings Act, N.J.S.A. 10:4-6, and that the Highlands Development Credit (HDC) Bank had sent written notice of the time, date, and location of this meeting to pertinent newspapers of circulation throughout the State and posted the same on the Highlands Council website.

PLEDGE OF ALLEGIANCE

CHAIRMAN'S REPORT

Chairman Whitenack noted that there would be a report to the Highlands Council on actions taken by the HDC Bank. He suggested to the new directors that they refer to Chapter 4 in the Regional Master Plan for a written description of what the HDC Bank is going to be doing. He then briefly described the functions of the HDC Bank.

EXECUTIVE DIRECTOR'S REPORT

Ms. Swan welcomed the new board members and explained that the Highlands Council staff would be supporting the HDC Bank as well as the Highlands Council. She described the makeup of the staff. She introduced the Highlands Council staff that were in attendance at the meeting and noted that Jeff LeJava was the architect of the Transfer of Development Rights (TDR) program and that he had worked with many professionals, including Susan Craft, John Stokes and Pinelands staff, Charlie Siemon and Ralph Siegel to develop the recommendations provided to the Highlands Council for formation of the program.

Ms. Swan gave a power point presentation (see attached) providing an overview of the Highlands Region, and its relationship to previous and current regional planning efforts. She explained that the region was designated as a Special Resource Area in the 2001 State Plan and recognized Lorissa Whitaker from the Office of Smart Growth.. The presentation also contained an overview of the analysis and approach taken in completing the Regional Master Plan, including a timeline.

MR. ERIK PETERSON JOINED THE MEETING BY TELECONFERENCE.

Ms. Swan continued the presentation by showing a number of slides highlighting the use of the various overlay zones established in the Land Use Capability Map series. The presentation introduced the relationship between the Highlands Council and the HDC Bank Board, and explained the ongoing responsibilities for the program by the Council.

Ms. Swan then introduced Jeff LeJava, the Administrator of the TDR Program, to present an overview of the Highlands TDR Program. He briefly explained the requirements for sending and receiving zones under the program and highlighted the significant grant funding that is available to municipalities that may wish to consider becoming a part of this program. To date, grants have been awarded to Chester Borough, City of Clifton, Town of Clinton, Township of Lopatcong and Washington Borough. He then discussed the role of the HDC Bank under the Highlands TDR Program.

CONSIDERATION OF RESOLUTION FOR HIGHLANDS DEVELOPMENT CREDIT BANK ANNUAL MEETING SCHEDULE FOR 2009

Mr. Halpin introduced a motion and Mr. Weingart seconded it. All members present voted in favor. The resolution was ***APPROVED***.

There was some discussion of the meeting schedule. It was agreed that meetings would be held on the first Thursday of each month at 1pm, the chair was open to considering other times but wanted to have the first few meetings before considering changes. Ms. Swan noted that the packets providing materials for the upcoming meetings would be sent to the directors the week before the meeting and non-confidential material would be posted on the Highlands Council website prior to the meeting.

The next meeting will be Thursday, March 5, at 1 pm.

CONSIDERATION OF RESOLUTION FOR HIGHLANDS DEVELOPMENT CREDIT BANK DESIGNATION OF NEWSPAPERS

Mr. Siegel introduced the motion and Mr. Klipstein seconded it. There was one public comment from Jody Anderson asking that all editions of the Star Ledger carry this information. Mr. Borden clarified that this resolution was just for the public notice not the news articles.

All members present voted in favor. The resolution was ***APPROVED***.

Chairman Whitenack announced that draft bylaws prepared by staff would be sent out to the Directors for their review in about one week. Mr. Borden provided background on the creation of

the draft explaining that the bylaws of the Highlands Council, the State TDR Bank, and the Pinelands TDR bank had all been reviewed to develop this draft. Copies of the bylaws used to develop the draft will also be provided to the Directors.

Mr. Whitenack advised members that the Council By-laws had gone through extensive review and hoped that the members would thus find the HDC by-laws easier to review. He mentioned that in order to elect a vice-chair and treasurer, the bylaws needed to be in place. He also briefly discussed the committee structure that he is considering having the Directors approve. As currently contemplated, the committees will consist of a Policy Committee with responsibility for the administration and operation of the HDC Bank and a Finance Committee with responsibility for overseeing the HDC Bank's operating and capital budgets and securing additional bank funding. He finished by saying that Executive Director Swan and the Highlands Council staff would work to bring new members up to speed.

He then asked for public comment.

PUBLIC COMMENT

Chairman Whitenack explained the "ground rules" that would be followed asking that those commenting limit their comments to three minutes and that there would not be a dialogue with board members but that where appropriate staff would follow up with responses.

Deborah Post, Chester Township

Ms. Post submitted two documents for the public record to be attached to the minutes. She spoke to the issue of her concerns on transparency of the process for pricing of Highlands Development Credits and the nature of the valuation method used.

Hank Klumpp, Tewksbury Township

He asked how many of the new directors owned property in the Highlands Preservation Area. The question was asked because of his concern over the impact of the Act and the Plan on property owners. He commented that the \$10 million funding for the TDR program was not even enough to buy his farm.

Helen Heinrich, NJ Farm Bureau

She welcomed the new board members and offered to help in any way to facilitate the process.

Richard Longo, Boonton Township

He spoke of his dismay not being able to pass down his land to his grandchildren with the property devalued by the Highlands Act. He requested compensation for his land.

Mark Zakuntansky, New Jersey Highlands Coalition

He looks forward to working with the new board and is enthusiastic to work on the reauthorization of the funding for the Garden State Preservation Trust in the coming year.

Director Craft commented that she appreciated the public comments and she explained that she had worked for many years on TDR implementation and pledged to do her best to maximize the success of this program.

Mr. Siegel introduced a motion to adjourn and Ms. Craft seconded it. The meeting was adjourned at 2:33 pm.

**Vote on the Approval of
these Minutes**

	<u>Motion</u>	<u>Second</u>	<u>Yes</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Director Craft		✓	✓			
Director Davis			✓			
Director Halpin			✓			
Director Klipstein	✓		✓			
Director Maglione			✓			
Director Peterson			✓			
Director Siegel			✓			
Director Weingart						✓
Director Whitenack			✓			

NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
Statement of Activities and Financial Report for the period ending December 31, 2008

General Operating Budget FY08 - July 1, 2007 through June 30, 2008

REVENUES:

State of New Jersey Appropriation FY08	\$	2,500,000.00
Balance from FY07	\$	322,276.48
TOTAL	\$	2,822,276.48

EXPENDITURES:

Salaries	\$	1,677,849.15
Materials and Supplies	\$	45,548.73
Other Operating Expenses	\$	239,334.06
Maintenance and Repairs	\$	218,097.95
Equipment, Additions, and Improvements	\$	151,993.57
Balance through June 30, 2008	\$	489,453.02
TOTAL	\$	2,822,276.48

General Operating Budget for Portion of FY09 - July 1, 2008 through December 31, 2008

REVENUES:

State of New Jersey Appropriation FY09	\$	2,400,000.00
Balance from FY08	\$	489,453.02
Miscellaneous Revenues & Reimbursements	\$	4,500.00
TOTAL	\$	2,893,953.02

EXPENDITURES:

Salaries	\$	789,695.50
Materials and Supplies	\$	20,797.41
Other Operating Expenses	\$	87,186.93
Maintenance and Repairs	\$	98,626.60
Equipment, Additions, and Improvements	\$	20,086.45
Balance through June 30, 2009	\$	1,877,560.13
TOTAL	\$	2,893,953.02

Regional Master Plan Budget for Portion of FY09 - July 1, 2008 through December 31, 2008

REVENUES:

Balance from FY08	\$	1,448,656.06
TOTAL	\$	1,448,656.06

EXPENDITURES:

Contracts Paid to Date	\$	169,490.18
Balance on Approved Contracts	\$	522,962.47
Balance through June 30, 2009	\$	756,203.41
TOTAL	\$	1,448,656.06

RESOLUTION 2009-27
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF INITIAL ASSESSMENT GRANT
TO MORRIS PLAINS BOROUGH

WHEREAS, the Highlands Water Protection and Planning Act (Highlands Act) has created a public body corporate and politic with corporate succession known as the Highlands Water Protection and Planning Council (Highlands Council); and

WHEREAS, the Highlands Act authorizes the Highlands Council to enter into any and all agreements or contracts, execute any and all instruments to carry out any power, duty or responsibility under the Highlands Act; and

WHEREAS, Section 18 of the Highlands Act authorizes the Highlands Council to make available grants and other financial and technical assistance to municipalities and counties in furtherance of the Regional Master Plan; and

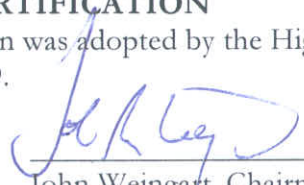
WHEREAS, on February 28, 2008 the Highlands Council by Resolution 2008-4 authorized the initiation of a grant application process for Initial Assessment grants to municipalities and counties within the Highlands Region in furtherance of Plan Conformance, in an annual amount not to exceed \$1,500,000; and

WHEREAS, the Highlands Council staff has reviewed the following grant application and recommends approval by the Highlands Council;

NOW, THEREFORE, BE IT RESOLVED by the Highlands Council that the Executive Director, or her designee, is hereby authorized to enter into a grant agreement with the Morris Plains Borough for an Initial Assessment Grant in an amount not to exceed \$15,000, provided that the Executive Director may authorize additional amounts under this agreement pursuant to her authority under the Highlands Council Bylaws.

CERTIFICATION

I hereby certify that the foregoing Resolution was adopted by the Highlands Council at its regular meeting held on the 19th day of March, 2009.



John Weingart, Chairman

RESOLUTION 2009-27
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF INITIAL ASSESSMENT GRANT
TO MORRIS PLAINS BOROUGH

Vote on the Approval of this
Resolution

	<u>Motion</u>	<u>Second</u>	<u>Yes</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Councilmember Alstede	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Calabrese	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Carluccio	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Cogger	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Kovach	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Letts	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Pasquarelli	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Peterson	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Schrier	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Vetrano	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Way	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Whitenack	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Weingart	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>

RESOLUTION 2009-28
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF INITIAL ASSESSMENT GRANT
TO PEQUANNOCK TOWNSHIP

WHEREAS, the Highlands Water Protection and Planning Act (Highlands Act) has created a public body corporate and politic with corporate succession known as the Highlands Water Protection and Planning Council (Highlands Council); and

WHEREAS, the Highlands Act authorizes the Highlands Council to enter into any and all agreements or contracts, execute any and all instruments to carry out any power, duty or responsibility under the Highlands Act; and

WHEREAS, Section 18 of the Highlands Act authorizes the Highlands Council to make available grants and other financial and technical assistance to municipalities and counties in furtherance of the Regional Master Plan; and

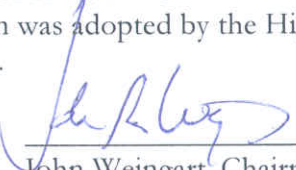
WHEREAS, on February 28, 2008 the Highlands Council by Resolution 2008-4 authorized the initiation of a grant application process for Initial Assessment grants to municipalities and counties within the Highlands Region in furtherance of Plan Conformance, in an annual amount not to exceed \$1,500,000; and

WHEREAS, the Highlands Council staff has reviewed the following grant application and recommends approval by the Highlands Council;

NOW, THEREFORE, BE IT RESOLVED by the Highlands Council that the Executive Director, or her designee, is hereby authorized to enter into a grant agreement with the Township of Pequannock for an Initial Assessment Grant in an amount not to exceed \$15,000, provided that the Executive Director may authorize additional amounts under this agreement pursuant to her authority under the Highlands Council Bylaws.

CERTIFICATION

I hereby certify that the foregoing Resolution was adopted by the Highlands Council at its regular meeting held on the 19th day of March, 2009.



John Weingart, Chairman

RESOLUTION 2009-28
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF INITIAL ASSESSMENT GRANT
TO PEQUANNOCK TOWNSHIP

Vote on the Approval of this
Resolution

	<u>Motion</u>	<u>Second</u>	<u>Yes</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Councilmember Alstede	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Calabrese	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Carluccio	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Cogger	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Kovach	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Letts	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Pasquarelli	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Peterson	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Schrier	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Vetrano	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Way	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Whitenack	<hr/>	<hr/> <input checked="" type="checkbox"/>	<hr/> <input checked="" type="checkbox"/>	<hr/>	<hr/>	<hr/>
Councilmember Weingart	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/> <input checked="" type="checkbox"/>

RESOLUTION 2009-29
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF INITIAL ASSESSMENT GRANT
TO LEBANON BOROUGH

WHEREAS, the Highlands Water Protection and Planning Act (Highlands Act) has created a public body corporate and politic with corporate succession known as the Highlands Water Protection and Planning Council (Highlands Council); and

WHEREAS, the Highlands Act authorizes the Highlands Council to enter into any and all agreements or contracts, execute any and all instruments to carry out any power, duty or responsibility under the Highlands Act; and

WHEREAS, Section 18 of the Highlands Act authorizes the Highlands Council to make available grants and other financial and technical assistance to municipalities and counties in furtherance of the Regional Master Plan; and

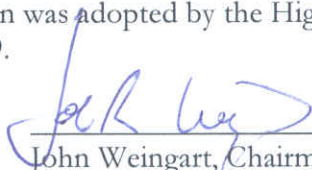
WHEREAS, on February 28, 2008 the Highlands Council by Resolution 2008-4 authorized the initiation of a grant application process for Initial Assessment grants to municipalities and counties within the Highlands Region in furtherance of Plan Conformance, in an annual amount not to exceed \$1,500,000; and

WHEREAS, the Highlands Council staff has reviewed the following grant application and recommends approval by the Highlands Council;

NOW, THEREFORE, BE IT RESOLVED by the Highlands Council that the Executive Director, or her designee, is hereby authorized to enter into a grant agreement with Lebanon Borough for an Initial Assessment Grant in an amount not to exceed \$15,000, provided that the Executive Director may authorize additional amounts under this agreement pursuant to her authority under the Highlands Council Bylaws.

CERTIFICATION

I hereby certify that the foregoing Resolution was adopted by the Highlands Council at its regular meeting held on the 19th day of March, 2009.



John Weingart, Chairman

RESOLUTION 2009-29
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF INITIAL ASSESSMENT GRANT
TO LEBANON BOROUGH

**Vote on the Approval of
this Resolution**

	<u>Motion</u>	<u>Second</u>	<u>Yes</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Councilmember Alstede			✓			
Councilmember Calabrese			✓			
Councilmember Carluccio			✓			
Councilmember Cogger			✓			
Councilmember Kovach			✓			
Councilmember Letts	✓		✓			
Councilmember Pasquarelli			✓			
Councilmember Peterson			✓			
Councilmember Schrier			✓			
Councilmember Vetrano			✓			
Councilmember Way			✓			
Councilmember Whitenack		✓	✓			
Councilmember Weingart						✓

RESOLUTION 2009-30
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF THE HUNTERDON COUNTY AGRICULTURAL MARKET
DEVELOPMENT PROGRAM

WHEREAS, the Highlands Water Protection and Planning Act (the "Highlands Act") has created a public body corporate and politic with corporate succession known as the Highlands Water Protection and Planning Council (the "Highlands Council"); and

WHEREAS, Section 2 of the Highlands Act specifies that the maintenance of agricultural production and a positive agricultural business climate should be encouraged to the maximum extent possible; and

WHEREAS, Section 10 of the Highlands Act sets goals for the Regional Master Plan to preserve farmlands, promote compatible agriculture uses, and promote the continuation and expansion of uses and opportunities within the framework of protecting the Highlands environment; and

WHEREAS, Section 18 of the Highlands Act authorizes the Highlands Council to make available grants or other financial and technical assistance to municipalities and counties in furtherance of the Regional Master Plan; and

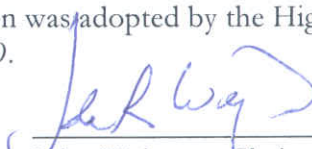
WHEREAS, by Resolution 2006-19, the Highlands Council established a process for the approval of grants for the support of sustainable agriculture and determined the availability of an amount not to exceed \$450,000 in grant funds to support a sustainable agriculture grants program; and

WHEREAS, the Highlands Council staff has reviewed the following grant application and recommends approval by the Highlands Council;

NOW, THEREFORE, BE IT RESOLVED by the Highlands Council that the Executive Director, or her designee, is hereby authorized to enter into a grant agreement with Hunterdon County for an Agricultural Market Development Program in an amount not to exceed \$40,000, provided that the Executive Director may authorize additional amounts under this agreement pursuant to her authority under the Highlands Council Bylaws.

CERTIFICATION

I hereby certify that the foregoing Resolution was adopted by the Highlands Council at its regular meeting held on the 19th day of March, 2009.



John Weingart, Chairman

RESOLUTION 2009-30
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF THE HUNTERDON COUNTY AGRICULTURAL MARKET
DEVELOPMENT PROGRAM

Vote on the Approval of this
Resolution

	<u>Motion</u>	<u>Second</u>	<u>Yes</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Councilmember Alstede	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Calabrese	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Carluccio	<u>✓</u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Cogger	<u> </u>	<u>✓</u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Kovach	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Letts	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Pasquarelli	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Peterson	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Schrier	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Vetrano	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Way	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Whitenack	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>
Councilmember Weingart	<u> </u>	<u> </u>	<u>✓</u>	<u> </u>	<u> </u>	<u> </u>

RESOLUTION 2009-31
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF THE HUNTERDON COUNTY
INTEGRATED CROP AND PEST MANAGEMENT PROGRAM

WHEREAS, the Highlands Water Protection and Planning Act (the "Highlands Act") has created a public body corporate and politic with corporate succession known as the Highlands Water Protection and Planning Council (the "Highlands Council"); and

WHEREAS, Section 2 of the Highlands Act specifies that the maintenance of agricultural production and a positive agricultural business climate should be encouraged to the maximum extent possible; and

WHEREAS, Section 10 of the Highlands Act sets goals for the Regional Master Plan to preserve farmlands, promote compatible agriculture uses, and promote the continuation and expansion of uses and opportunities within the framework of protecting the Highlands environment; and

WHEREAS, Section 18 of the Highlands Act authorizes the Highlands Council to make available grants or other financial and technical assistance to municipalities and counties in furtherance of the Regional Master Plan; and

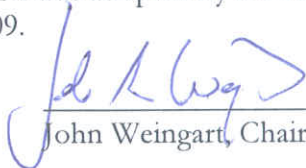
WHEREAS, by Resolution 2006-19, the Highlands Council established a process for the approval of grants for the support of sustainable agriculture and determined the availability of an amount not to exceed \$450,000 in grant funds to support a sustainable agriculture grants program; and

WHEREAS, the Highlands Council staff has reviewed the following grant application and recommends approval by the Highlands Council;

NOW, THEREFORE, BE IT RESOLVED by the Highlands Council that the Executive Director, or her designee, is hereby authorized to enter into a grant agreement with Hunterdon County for an Integrated Crop and Pest Management Program in an amount not to exceed \$75,000, provided that the Executive Director may authorize additional amounts under this agreement pursuant to her authority under the Highlands Council Bylaws.

CERTIFICATION

I hereby certify that the foregoing Resolution was adopted by the Highlands Council at its regular meeting held on the 19th day of March, 2009.



John Weingart, Chairman

RESOLUTION 2009-31
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF THE HUNTERDON COUNTY
INTEGRATED CROP AND PEST MANAGEMENT PROGRAM

Vote on the Approval of this
Resolution

	<u>Motion</u>	<u>Second</u>	<u>Yes</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Councilmember Alstede	_____	_____	✓	_____	_____	_____
Councilmember Calabrese	_____	_____	✓	_____	_____	_____
Councilmember Carluccio	✓	_____	✓	_____	_____	_____
Councilmember Cogger	_____	_____	✓	_____	_____	_____
Councilmember Kovach	_____	_____	_____	_____	_____	✓
Councilmember Letts	_____	_____	✓	_____	_____	_____
Councilmember Pasquarelli	_____	_____	✓	_____	_____	_____
Councilmember Peterson	_____	_____	✓	_____	_____	_____
Councilmember Schrier	_____	_____	_____	_____	_____	✓
Councilmember Vetrano	_____	_____	✓	_____	_____	_____
Councilmember Way	_____	_____	✓	_____	_____	_____
Councilmember Whitenack	_____	✓	✓	_____	_____	_____
Councilmember Weingart	_____	_____	✓	_____	_____	_____

RESOLUTION 2009-32
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF THE WARREN COUNTY AGRICULTURAL MARKET
DEVELOPMENT PROGRAM

WHEREAS, the Highlands Water Protection and Planning Act (the "Highlands Act") has created a public body corporate and politic with corporate succession known as the Highlands Water Protection and Planning Council (the "Highlands Council"); and

WHEREAS, Section 2 of the Highlands Act specifies that the maintenance of agricultural production and a positive agricultural business climate should be encouraged to the maximum extent possible; and

WHEREAS, Section 10 of the Highlands Act sets goals for the Regional Master Plan to preserve farmlands, promote compatible agriculture uses, and promote the continuation and expansion of uses and opportunities within the framework of protecting the Highlands environment; and

WHEREAS, Section 18 of the Highlands Act authorizes the Highlands Council to make available grants or other financial and technical assistance to municipalities and counties in furtherance of the Regional Master Plan; and

WHEREAS, by Resolution 2006-19, the Highlands Council established a process for the approval of grants for the support of sustainable agriculture and determined the availability of an amount not to exceed \$450,000 in grant funds to support a sustainable agriculture grants program; and

WHEREAS, the Highlands Council staff has reviewed the following grant application and recommends approval by the Highlands Council;

NOW, THEREFORE, BE IT RESOLVED by the Highlands Council that the Executive Director, or her designee, is hereby authorized to enter into a grant agreement with Warren County for an Agricultural Market Development Program in an amount not to exceed \$50,000, provided that the Executive Director may authorize additional amounts under this agreement pursuant to her authority under the Highlands Council Bylaws.

CERTIFICATION

I hereby certify that the foregoing Resolution was adopted by the Highlands Council at its regular meeting held on the 19th day of March, 2009.



John Weingart, Chairman

RESOLUTION 2009-32
NEW JERSEY HIGHLANDS WATER PROTECTION AND PLANNING COUNCIL
APPROVAL OF THE WARREN COUNTY AGRICULTURAL MARKET
DEVELOPMENT PROGRAM

Vote on the Approval of this
Resolution

	<u>Motion</u>	<u>Second</u>	<u>Yes</u>	<u>No</u>	<u>Abstain</u>	<u>Absent</u>
Councilmember Alstede	_____	_____	✓	_____	_____	_____
Councilmember Calabrese	_____	_____	✓	_____	_____	_____
Councilmember Carluccio	✓	_____	✓	_____	_____	_____
Councilmember Cogger	_____	_____	✓	_____	_____	_____
Councilmember Kovach	_____	_____	_____	_____	_____	✓
Councilmember Letts	_____	✓	✓	_____	_____	_____
Councilmember Pasquarelli	_____	_____	✓	_____	_____	_____
Councilmember Peterson	_____	_____	✓	_____	_____	_____
Councilmember Schrier	_____	_____	_____	_____	_____	✓
Councilmember Vetrano	_____	_____	✓	_____	_____	_____
Councilmember Way	_____	_____	✓	_____	_____	_____
Councilmember Whitenack	_____	_____	✓	_____	_____	_____
Councilmember Weingart	_____	_____	✓	_____	_____	_____



**Prepared by Win Cowgill
Rutgers Cooperative Extension of Hunterdon County
PO Box 2900
Flemington, NJ 08822-2900**

Progress Report – Hunterdon County Integrated Pest Management Grant
Grant Award Number 07-033-07-1000

Work Products

Describe the program(s) to be prepared, as well as project timeframes and target completion dates:

To fund the maintenance, improvement and expansion of the Rutgers Fruit and Vegetable IPM/ICM programs in the northern New Jersey Highlands region. Increase the number of participating growers in the programs, educate farmers about integrated pest management (IPM) and integrated crop management (ICM) practices. Reduce the amounts of pesticides and fertilizers where appropriate on commercial fruit and vegetable farms in the region.

Progress: During the 2007 and 2008 seasons the fruit program worked with 24 farms (23 commercial growers in northern counties with 25 individual farm sites. Farms were monitored for insect and disease pests, and recommendations were made to maximize production and reduce pesticide use where possible (Table 1.). The vegetable IPM Program worked directly with 33 growers in the northern counties. On these farms, growers enrolled all or portions of selected vegetable crops for scouting. Crops were monitored for insect and disease pests. Additionally, most farms were blacklight trap sites that contributed data to the statewide vegetable insect pest population map system.

Objectives

- 1) Maintain and expand IPM/ICM programs for fruit and vegetable growers in the North Jersey/Highlands region.
- 2) Expand nutrient management as part of the IPM/ICM programs.
- 3) Expand the programs to include additional growers who have not directly participated in the past.
- 4) Minimize pesticide and fertilizer use where possible, while minimizing potential sources of non-point source pollution.
- 5) Help minimize production costs and optimize profitability for growers, thus helping in the overall sustainability of North Jersey agriculture in the Highlands.

Progress on Scope of Work

- 1) Identification of commercial growers having not participated in the IPM programs in 2006 and increasing program participation; establishing a cost share based on the actual number of IPM participants in the Highlands Region.

IPM information was presented at the North Jersey Fruit Meeting, two twilight fruit meetings and 2 vegetable meetings (in 2007. 1 additional in 2008) with a total attendance of 90 (for all veg mtgs.) commercial growers from northern counties, of whom 22 (veg) were from the Highlands Region. Funding from the Highlands grant remains at approximately 31% of the total vegetable and fruit IPM program costs and 60% of program associate staff and associated costs. Given the percentage on North Jersey IPM participants in the Highlands Region (63 % in 2007), we are meeting our goal of Highlands funds being pro-rated as a percentage of North Jersey IPM participants located in the Highlands.

- 2) Attainment of goals for each program objective and measurable deliverables:
 - a) **Number of participants using 2006 as the base year.** During 2007, 23 fruit growers were involved in the North Jersey fruit IPM program, which represents an increase of 2 growers from the previous season. Growers in northern counties were comprised of 16 growers (70% of the total) in the Highlands Region and 7 growers in non-Highlands areas. These numbers remained the same for the 2008 season. A higher percent of the fruit IPM acreage is within the Highlands Region (Table 2). Just over 72% of the fruit IPM participant acreage is within the Highlands Region. The 33 farms in the 2007 Vegetable IPM Program for the northern counties is an increase of two growers over 2006. Of these farms, 19 (58%) were in the Highlands region. Total farms averaged 63% in the Highlands Region.
 - b) **Number of site visits made to Highlands growers.** Since the start of the season, 406 field visits were made to Highlands fruit growers, with a total driving distance of 10,193 miles. Highlands Area vegetable IPM participants were visited 555 times with a total mileage of 6,018. As of June 2008, 192 farm visits were made to fruit growers, and 110 farm visits were made to vegetable participants in the Highlands, with personnel traveling over 3,100 miles.
 - c) **Number of Highlands growers attending meetings where IPM information was presented.** In 2007, two field twilight meetings were held for fruit growers and 2 meetings were held for vegetable growers. A total of 49 attendees (fruit) and 45 (vegetable) obtained IPM information. Two fruit grower twilight field meetings were again held in 2008 on 3/5/08, and 5/19/08. The May meeting was held in the Highlands with over 40 people attending. One dozen Highlands Area fruit growers attended educational meetings in Hershey, PA during the last of January (3

days) in 2007 and 2008. As of June 2008, one meeting was held for fruit and one for vegetable growers, with 38 attendees for the fruit session and 50 for the vegetable session. The Vegetable Growers Association of New Jersey Annual Meeting in Atlantic City (January 2007) included a sessions on pepper production and cucurbit crop production. IPM information was given at each session, with the pepper session featuring a discussion of methods to enhance biological control of European corn borer. Each session was attended by over 20 Highlands area growers. The North Jersey Fruit Growers Meetings were held in Warren County on 3/9/07, and 3/5/08, with a total audience of 116 growers (56 in 2007, 60 in 2008). Just over half these growers farm in the Highlands region.

- d) **Number of newsletters sent to Highlands IPM growers.** Since the start of the 2007 season, 48 newsletters (fruit and vegetable) were written that contained IPM information. From the beginning of the 2008 season (March 2008) through the end of June, 16 vegetable and 16 fruit newsletters had been published with IPM information. Newsletters are sent by paid subscription by e-mail, fax and regular mail. Throughout the season, 32 Highlands growers received "Plant and Pest Advisory" Newsletters for fruit and vegetable production.
- e) **Number of acres on which IPM practices were utilized.** A comprehensive IPM/ICM program was expanded and delivered to North Jersey growers, the majority of whom are in the Highlands Region. The programs are divided into both fruit and vegetable components. The fruit program consisted of weekly monitoring for insects and disease, monitoring for plant parasitic nematodes, monitoring for plant nutrient levels and fertilizer needs, and demonstration programs for cutting edge, high impact IPM practices like mating disruption for key peach insect pests, and computerized degree day modeling for proper application timing. The program also included soil sampling for plant parasitic nematodes. Much of the soil and plant nutrient work is done in late summer and fall, so as of June that has not been completed for 2008. High nematode populations can kill fruit trees, while soil applied nematicide use should be minimized in order to prevent non-point source pollution. The overall fruit program delivered weekly monitoring information to growers who managed 414 acres of fruit, 300 acres (72%) of which is in the Highlands. IPM information was made available to each participating grower through on-farm scouting reports, field recommendations, and a weekly newsletter, *The Plant and Pest Advisory-Fruit Edition*. Weekly scouting information was also summarized and mailed to other Highlands growers, not in the direct scouting program, thus gaining a direct benefit, although not as tailored, from the scouting program. The Highlands vegetable IPM Program enrolled 517 acres of sweet corn, 168 acres of pumpkins, gourds, and winter squash, 36 acres of tomatoes, 18 acres of peppers, and 29 acres of cole crops in scouting programs. IPM information was provided to growers through on-farm field reports and insect population records, a weekly newsletter (The Plant and Pest

Advisory – Vegetable Crops Edition), and the RCE Vegetable IPM website. The latter two sources of information were available to many more growers than those participating in the scouting programs. Expansions in participating and impacted acreage occurred in selected crops. Other services were delivered to growers in addition to crop scouting and insect monitoring via the state-wide blacklight network. These services include (no-charge) heat treatment of tomato, pepper and brassica crop seeds for northern NJ growers in 2007-08. This practice requires specialized water baths operated by IPM personnel and treatments are overseen by the northern NJ IPM project coordinator. Heat treatment helps eliminate bacterial pathogens from seed, thus reducing the impact of those diseases and potentially reducing the need for in-field anti-bacterial agents like copper. The Vegetable IPM Program includes a number of tactics to minimize crop injury while minimizing (when possible) agrichemical inputs. These tactics include "inundative release" biological control for two-spotted spider mites in high tunnel vegetable crops; enhancement and preservation of indigenous biological control organisms for various pests in tomatoes, peppers and brassica crops and production of geospatial maps of key insect pests with associated threshold levels.

- f) **Amount of applications of lb of pesticides used by Highlands IPM growers compared to Rutgers Cooperative Extension State Guidelines.** Highlands fruit growers using mating disruption used about 60% less insecticide than state recommendations for control of Oriental fruit moth in peaches. Use of degree day phenology models reduced insecticide use in peaches by 30 to 40% for Oriental fruit moth, and targeted only 2 sprays for first generation codling moth in apples. Pumpkin and winter squash growers were able to eliminate approximately four fungicide applications (36%) per field in 2007 by participating in the Northern New Jersey Vegetable IPM Program. Northern New Jersey Sweet corn growers were able to eliminate an average of nine total sprays (36%) on sweet corn acreage through participation in the Vegetable IPM Program.
- g) **Use of natural biological controls or taking specific actions to preserve native biological control agents.** Of the 16 Highlands fruit IPM growers, 8 growers had significant activity from predacious mites, and *Stethorus punctum* (the small black ladybeetle mite predator) so that European red mite populations were suppressed, and miticide use was minimized. Aphid predators that were present in Highlands orchards included Syrphid fly larvae, lacewings, lady beetles and other aphid predators. Use of natural biological controls was also used by Highlands fruit growers in 2008 due to the continued use of "soft" pesticides and biologically based pest management practices recommended by Rutgers IPM. Use of these practices enables growers to reduce overall pesticide use, while conserving a more ecological balance on those farms. In the Highlands region, 13 tomato and pepper growers in the IPM program were able to successfully manage aphid populations with indigenous predators and parasites. This

complex of predators and parasites included Syrphid fly and lacewing larvae, ladybird beetles and larvae and Aphidiid wasps. IPM scouting and light trapping activities identified periods when insecticides for other pests were necessary. When this occurred, insecticides with little or no impact on the predator complex were selected after consultation between growers and IPM Program personnel. The high tunnel vegetable IPM program in Northern New Jersey typically includes the release of the predatory mite *Neoseiulus fallacis* for management of the two-spotted spider mite. In 2007, IPM scouting efforts in the Highlands region revealed that two-spotted spider mite populations either did not materialize, or appeared later than normal. This made the expense of predator release unnecessary.

- h) **Growers accessing web-based information.** A summary of the Rutgers Cooperative Extension Web sites for access to fruit and vegetable recommendations, and the vegetable and fruit editions of the Plant and Pest Advisory newsletters is being researched. For the period from July 1 through Sept. 30, the RCE IPM website totaled 85,385 visits. Statistics for the 2008 calendar year are as yet unavailable.
- i) **Blocks or fields where Highlands growers are using soil or leaf tissue testing.** Fertility management was expanded to include a more comprehensive sampling scheme than was previously possible. Leaf tissue samples were taken during July and early August, and soil fertility samples were taken in September. A total of 140 fertility samples were taken, with 100 samples (71%) taken from farms in the Highlands Region in 2007, and an equal number are planned in 2008 which are sampled in August.

Other – Minimizing production costs (from objective 5)

Grower practices and pesticide use was surveyed for the 2007 season, and will again be surveyed for 2008. Use of traditional more highly toxic organophosphate and carbamates pesticides continues to decline, and be replaced by softer materials and biologically based practices, including mating disruption (peaches), and biological control of orchard mites (apples and peaches). Minimizing costs has been difficult, since the price for raw materials and agrichemicals has increased over 25% over the last 2 years.

For the 2007 growing season, northern New Jersey sweet corn growers were able to eliminate an average of 9 silk spray applications (36% reduction) by following schedule recommendations derived from the corn earworm (CEW) catches in the RCE Vegetable IPM Program blacklight network. This reduction is in comparison to the standard 3-day schedule that is typically followed in the absence of information on CEW activity. Using lambda-cyhalothrin (Warrior at \$255/gal) as an example, a grower treating 10 acres of silking corn with each spray would save \$50-75 per spray in insecticide alone, or a total of \$450-675 during the course of the season. This does not include the savings related to the cost of diesel fuel needed to make the applications.

Table 1. IPM Fruit growers enrolled in northern counties.

Number of growers	2007	2008	% of Growers in Highlands
North Jersey	23	23	69.57%
Highlands	16	16	

Table 2. IPM fruit acreage enrolled in northern counties.

Rutgers Cooperative Extension Fruit IPM Program 2007, 2008 - Northern Counties

Total fruit acreage	2007	2008	% of Acreage in Highlands
North Jersey	414.29	414.29	72.20%
Highlands	299.1	299.1	