

# West Vincent Township Work Plan

2012-2015

Approved February 27, 2012

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2012-2015

February 2012

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## West Vincent Township Sustainability Work Plan for 2012-2015

The West Vincent Township Sustainability Work Plan proceeds from the value categories, goals, and targets described in the West Vincent Sustainability Plan, which was adopted by the Board of Supervisors as an amendment to the Comprehensive Plan in December 2011. The Work Plan consists of (1) a scored listing of sustainability initiatives developed by the West Vincent Sustainability Taskforce in 2011, (2) a color-coded overview table of initiative components, (3) a 4-year work calendar, (4) a compilation of all initiatives, and (5) an appendix containing an annotated Work Plan Calendar for 2012.

### Portfolio of Initiatives

	<b>Initiative</b>	<b>Impact Score</b>
1	Perform energy audit on all township facilities and implement recommendations	576.75
2	Create and implement Alternative Energy Plan for township facilities	569.1
3	Hire a township utilities manager	413.38
4	Create a sustainable energy education and outreach program	598
5	Assist local farmers to use their land and buildings to generate alternative energy for farm use and income generation	538.38
6	Revise township ordinances and building codes to include incentives for, remove obstacles to, and add regulations for green building practices, including alternative energy generation and energy conservation	613.75
7	Provide municipal financing for residential alternative energy installations to be repaid by users through a township real estate tax surcharge	485.77
8	Map township forests and establish forest preservation and reforestation program to protect watershed, with an emphasis on riparian buffers	531
9	Develop identification, testing and remediation system for non-point source pollution	493.3
10	Insure removal of pharmaceuticals from municipal/community waste water using biofiltration, reverse osmosis or other techniques	413.25

<b>11</b>	Require township residents to pump septic systems at least every three years	502.75
<b>12</b>	Develop a Canada goose control program on township-owned land	359.73
<b>13</b>	Provide water warnings to residents during flood events	368.26
<b>14</b>	Revise township ordinances and building codes to include incentives for, remove obstacles to, and add regulations for green building practices, including green roofs, rain gardens, constructed wetlands, and other water quality practices	625.08
<b>15</b>	Educate township staff and residents about their role in water quality protection and water conservation	480.57
<b>16</b>	Reduce use of gasoline-powered mowing in township	496.21
<b>17</b>	Convert gas powered police car fleet to hybrid or electric	573.13
<b>18</b>	Convert road maintenance equipment to locally sourced B20 or better biodiesel	506.57
<b>19</b>	Create and implement township multi-modal transportation plan	483.2
<b>20</b>	Purchase and operate high-mileage alternatively powered jitney to help residents circulate through the Ludwig's Corner area	393.67
<b>21</b>	Provide easy access to bikes for residents	403
<b>22</b>	Enhance the walkable environment inherent in the Ludwig's Corner Master Plan	501
<b>23</b>	Increase the number of students who walk or bike to school	488.67
<b>24</b>	Educate drivers re: Share the Road with Bikers and vice versa	521.4
<b>25</b>	Reduce idling time	515
<b>26</b>	Promote DVRPC's Share a Ride carpooling program	537.8
<b>27</b>	Require best soils practices on township-owned agricultural land	559.2
<b>28</b>	Educate residents in soil conservation practices	463.5

29	Create a viable facility for community composting	514.5
30	Educate township staff and residents on benefits of yard waste and kitchen waste composting	562.4
31	Develop and promote a Source Separated Organic Material Composting program	502.9
32	Enact township ordinance on recycling	615.46
33	Educate township residents on recycling	577.6
34	Reduce use of paper and disposable products in township	530.3
35	Preserve continuous wildlife corridors throughout township	439
36	Restore habitat on township-owned property	501
37	Create township native plant registry	504.07
38	Educate residents about Audubon Bird Town	615.7
39	Implement and expand sustainable demonstration landscape plan on township grounds	551.9
40	Promote West Vincent Greenway Stewardship Guide	573.36
41	Develop a township-sponsored deer management program to reduce deer damage 50% by 2020	513
42	Support “value-added” opportunities for farmers by investigating the feasibility of implementing various municipal projects, including but not limited to, certain sustainability initiatives, as farm business opportunities	507.88
43	Educate farmers about governmental programs that can generate additional income, with special emphasis on environmental remediation programs	514.29
44	Connect farmers to resources that promote agricultural business skills	415
45	Create incentives for local businesses to use sustainable practices, including a branding program for participating businesses	566.33
46	Develop a Neighborhood/Business Improvement District at Ludwigs Corner to maintain common open spaces, facilities like jitney, etc.	462

47	Continue to remove barriers and provide incentives in ordinances to support home occupations	557.88
48	Continue land conservation program using multiple approaches	607.25
49	Create an innovation incubator program	351.71
50	Provide mechanisms to provide moderately priced housing while keeping township character	464.25
51	Work with local non-profits to continue to build a publicly accessible, formally protected township-wide trail system that connects to the regional network	620.5
52	Add non-field all-season active recreation to park and recreation planning	435.56
53	Create policy and procedures for use of public and private trails	485.79
54	Provide public space for assembly and social engagement as appropriate throughout township	474.81
55	Develop a public arts program at Ludwigs Corner that promotes walkability and engagement through participation	353.33
56	Create and implement an annual township events calendar	527.22
57	Create and implement a multi-media township communications plan	504.27
58	Create a township civics education program	430.09
59	Create and maintain a township volunteer corps	530.55
60	Establish a township welcome wagon	476.09
61	Recognize resident contributions at annual event	518.22

## Initiative Ranking

The values and risks of all initiatives were ranked by the members of the Sustainability Taskforce, the township Manager and Board of Supervisors. The value and risk scores were averaged and added together to create an impact score for each initiative.

### Highest Ranked Initiatives by Category

Energy	Environment	Economy	Equity	Engagement
6 Revise township ordinances	14 Revise township ordinances	48 Continue land conservation	51 Build trail system	59 Create volunteer corps
4 Educate staff and residents	32 Recycling ordinance			
1 Township energy audit	33 Educate residents on recycling			
	38 Educate residents about Bird Town			

## Work Plan Overview

The following table lists each initiative, responsible parties, impact scores (the sum of value and risk scores), measures of success, costs and funding sources, and completion dates., timelines established and responsible persons assigned to each. This layout provides a fast and comprehensive view of the initiatives and the plan.

**Initiatives are color-coded according to their scores: The highest ranked initiatives are blue (625-575), second highest are pink (574-525), third are green (524-475), fourth are yellow (474-425), and fifth are white (below 425).**

Category: Energy							
Goal: Reduce township-wide CO2 emissions from 2005 levels: 7% by 2015, 17% by 2020, 80% by 2050							
Target	#	Initiative	Person Responsible/ Who Will Do	Impact Score	Measure of Success	Costs/ Funding Source	Completion Date
Reduce municipal energy consumption 50% by 2020	1	Perform energy audit on all township facilities and implement recommendations	WVST, Township Manager, BoS/ Township Manager and staff	576.75	Documented reduction in costs and usage (kWh and fossil fuels)	\$3000-\$5000/ General Fund, grant	2012 for Tasks 1-3, 2012 and beyond for Task 4
	2	Create and implement Alternative Energy Plan for Township	WVST, EAC, BoS/ Township Manager, WVST, EAC, BoS	569.1	Documented reduction in costs and amount of kWh generated by renewable energy	\$25,000 to \$1 million depending on plan recommendations and funding opportunities/ Grants, energy provider, sale of excess	Plan 2012, Implementation 2020

						energy. Large solar projects often include financing that makes the end cost near zero. WVT may even be able to have net income through this use of Township property, if solar cost downward trends continue	
	3	Hire a part-time township utilities manager	WVST, Township Manager, BoS/ Township Manager, WVST, BoS	413.38	Person hired, grants received, audits performed, improved compliance of township utilities/  Gradual reduction in municipal energy consumption and costs, measured by County, DVRPC	\$30,000 per year/  50% Sewer Fund, 50% General Fund	2013-2014

					and internal surveys		
<p><b>Reduce township-wide energy consumption 10% by 2020</b></p> <p><b>Purchase/generate 25% of residential energy from alternative sources</b></p>	4	Create a sustainable energy education and outreach program	WVST, Planning Commission Chair, BoS liaison/ Township Manager, Secretary (website, newsletter), WVST (displays, fair, and competition), BoS (policy approvals)	598	Hits on webpage, number of attendees at fair and participants in contest, gradual reduction in residential energy consumption measured by County, DVRPC and local surveys; more alternative energy used	\$2,000-\$3,000 for event cost/ Donations, grants, General Fund	2012 and ongoing
<p><b>Purchase/generate 25% of residential energy from alternative sources</b></p>	5	Assist local farmers to use their land and buildings to generate alternative energy for farm use and income generation	WVST, Township Manager/ WVST, Township staff	538.38	WVST and staff educated to provide education to farmers, program online  1-2% added to alternative energy use in Township	Minimal staff time/ General Fund	2013 and beyond

<p><b>Reduce township-wide energy consumption 10% by 2020</b></p> <p><b>Purchase/generate 25% of residential energy from alternative sources</b></p>	<p>6</p>	<p>Revise township ordinances and building codes to include incentives for, remove obstacles to, and add regulations for green building practices, including alternative energy generation and energy conservation</p>	<p>WVST, Planning Commission Chair, BoS/ Township Manager, WVST, Planning Commission, Solicitor, BoS</p>	<p>613.75</p>	<p>All applicable ordinances and codes revised and adopted. 1 to 2% reduction in township-wide energy consumption 1 to 2% of residential energy from alternative sources</p>	<p>No additional cost as part of a general revision process/ General Fund</p>	<p>2012 and ongoing</p>
<p><b>Purchase/generate 25% of residential energy from alternative sources</b></p>	<p>7</p>	<p>Provide municipal financing for residential alternative energy installations to be repaid by users through a township real estate tax surcharge</p>	<p>WVST, BoS, Township Manager/ Township Manager, BoS, Solicitor</p>	<p>485.77</p>	<p>Program on line Number of participants, survey</p>	<p>\$5,000 legal review General Fund</p>	<p>2015</p>

**Category: Environment**

**Goal 1: Protect and Improve Water Quality**

Objective	#	Initiative	Person Responsible/ Who Will Do	Impact Score	Measure of Success	Costs/ Funding Source	Completion Date
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<p><b>100% of riparian areas on municipal land forested by 2020</b></p>	<p>8</p>	<p>Map township forests and establish forest preservation and reforestation program to protect watershed, with an emphasis on riparian buffers</p>	<p>WVST, Township Manager, EAC, Planning Commission/ Planning Commission, EAC, Township Manager, BoS, Solicitor</p>	<p>531</p>	<p>Photographs, water testing, stream base flows</p>	<p>Staff time, \$500 for educational materials, several thousand for municipal trees/ TreeVitalize and other grant programs, nonprofit partnerships, General Fund, landowner contributions, developers</p>	<p>2012 and ongoing for ordinance revisions and education, 2013 for riparian mapping and forestation plan, 2013 and ongoing for implementation</p>
<p><b>Reduce sources of non-point pollution 20% from 2015 baseline by 2020</b></p>	<p>9</p>	<p>Develop identification, testing and remediation system for non-point source pollution.</p>	<p>WVST, Township Manager, EAC, Planning Commission/ Planning Commission, EAC, Township Manager, BoS, Solicitor, DEP, Green Valleys Association, volunteers</p>	<p>493.3</p>	<p>Water testing</p>	<p>Staff time, \$10,000 for water testing/ Grants, nonprofit and university partnerships, General Fund</p>	<p>2013 for criteria and ordinance revisions, 2015 and ongoing for testing and remediation</p>
	<p>10</p>	<p>Ensure that municipal</p>	<p>BoS, Twp</p>	<p>413.25</p>	<p>Testing done</p>	<p>\$10,000 or</p>	<p>2013 for testing</p>

		and community wastewater is treated to remove emerging contaminants such as pharmaceuticals and personal care products from treated effluent using techniques such as biofiltration or reverse osmosis	Manager/ Water Quality Specialist, Twp Manager, BoS, Solicitor		and evaluated, plants retrofitted as necessary, new plants with filtration as necessary  Water tests of streams and aquifer	more for testing, \$300,000 plus per plant retrofit, additional costs to users and developers/ Developers, capital reserves, user fees	and establishment of new plant requirements, 2020 for retrofits.
	<b>11</b>	Require on-lot septic systems to be pumped every three years	BoS, Twp Manager/ Solicitor, BoS, Twp staff	502.75	Ordinance adopted and residents informed  Residents reports indicate majority compliance; stream tests show reduction in non-point pollution	\$5,000 legal and advertising costs; \$1,000 for postcard mailing; staff time/ General Fund	2013
	<b>12</b>	Develop a Canada goose control program for township facilities	Twp Manager, EAC/ Twp groundskeeper and other staff	359.73	Plan created and implemented/  Visual assessment shows fewer geese and droppings, fecal contamination	A minimum of \$2,000 per year/ General Fund, Sewer Fund	2012 and ongoing

					reduced in water tests		
	13	Provide water warnings to residents during flood events	WVST, Twp Manager/ Township staff, Emergency Management Coordinator, WVST	368.26	Plan created and implemented/ Surveys, anecdotal evidence of increased resident awareness of flooding risks and remediation procedures	Minimal staff time/ General Fund	2012 and ongoing
	14	Revise township ordinances and building codes to include incentives for, remove obstacles to, and add regulations for green building practices including green roofs, rain gardens, constructed wetlands, and other water quality practices	WVST, Planning Commission Chair, BoS/ Twp Manager, WVST, Planning Commission, Solicitor, BoS	625.08	All applicable ordinances and codes revised and adopted Water testing shows reduction in non-point-source pollution, flooding and runoff issues are reduced	No additional cost as part of a general revision process/ General Fund	2012 and ongoing
<b>Preceding targets and Township residential water use reduced 15% by 2020.</b>	15	Educate township staff and residents about their role in water quality protection and water conservation	WVST, Twp Manager, BoS/ Twp Manager, Secretary (website), WVST, EAC (fair, competition),	480.57	Hits on web page, number of attendees at fair and participants in contest. Gradual reduction in water	\$2,000 annually for event costs/ Donations, General Fund	2012 and ongoing

			BoS, Solicitor (policies). Partner with non-profits such as Green Valley Association and County agencies		consumption and pollution measured by Chester County, DVRPC, local surveys; well water and stream tests		
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**Category: Environment**

**Goal 1: Improve and Protect Air Quality**

Objective	#	Initiative	Person Responsible/ Who Will Do	Impact Score	Measure of Success	Costs/ Funding Source	Completion Date
<b>Reduce combustion-engine emissions 20% by 2020</b>	16	Reduce mowed areas in township by 10% in 2015, 20% in 2020	WVST, BoS, Twp Manager/ EAC, Twp staff, Planning Commission, BoS	496.21	Discernible decrease in mowed areas, survey	\$500 for education/ Government or foundation grants, General Fund	2012 for Tasks 1-2 and 4; 2013 for Tasks 4 and 6, 2014-2015 for Tasks 5 and 7
	17	Convert gas-powered police car fleet to hybrid or electric	WVST, Twp Manager, BoS / Police Chief, Twp Manager	573.13	All police cars replaced with efficient, clean-energy fueled vehicles	Minimal since greater costs for hybrid vehicle purchase should be balanced out by fuel savings/ General Fund	Task 1--2012, Tasks 2 through 6 – 2013--2020

	<b>18</b>	Convert municipal equipment to locally sourced B20 or better biodiesel	WVST, Twp Manager, Roadmaster, BoS/  Twp Manager, BoS	506.57	All vehicles are fueled exclusively with biofuel or high-biofuel blends; combustion engine emissions reduced correspondingly	\$10,000 or more  Grants	2013 and ongoing
	<b>19</b>	Create and implement township multi-modal transportation plan	WVST, Twp Manager, BoS/  Consultant with Planning Commission, BoS, Twp Manager	483.2	Plan created, improvements installed as planned  DVRPC studies show reduced emissions	\$2-4 million plus (plan \$50,000)/  State and county grants	Plan 2013, Implementation 2020
	<b>20</b>	Purchase and operate a low-emissions energy-efficient jitney to help residents circulate through the Ludwig's Corner area	WVST, BoS, Planning Commission/  Business Improvement District, Twp Manager, BoS	393.67	Jitney in service  Number of riders, traffic counts	Business Improvement District, grants, user fees, General Fund for matching funds	When commercial area is adequately developed, 2015 or later
	<b>21</b>	Provide user-friendly bicycle facilities for residents	WVST, Township Manager, Ludwigs Corner Business Improvement District/	403	Plan designed, pilot implemented and assessed  Number of pick-ups and drop-offs at each	Pilot \$500-\$1,000, expansion up to \$5,000/  Rental fees, Business Improvement	For existing facilities, 2013. For commercial area, as it is developed, 2015 or later

			WVST, Volunteer Corps, local businesses, Township staff		location, traffic counts	District, donations	
	<b>22</b>	Enhance the walkable environment inherent in the Ludwig's Corner Master Plan	BoS, Twp Manager/ Planning Consultant, Planning Commission, BoS	501	Walker counts in district, survey	Staff time, consultant \$2,500/ Developers, General Fund, grant	2012 and ongoing
	<b>23</b>	Increase the number of students who walk to school	WVST, BoS/ Township staff, BoS, school parents,	488.67	Quantifiable increase in number of students walking, decrease in bus use, decrease in parents' driving to and from school	Minimal/ School district	2015
	<b>24</b>	Educate drivers and cyclists to "Share the Road"	WVST, BoS/ Volunteers, Park and Rec Committee	521.4	Materials prepared and distributed  Fewer complaints about driver, pedestrian and bicycle conflict, more evidence	2,000 for road signs, educational materials/ Grants, bicycle club donations, Business Improvement	2013

					of cycling in surveys	District, General Fund	
	25	Reduce idling time	WVST, BoS, Township Manager/ Township staff, WVST, Ludwigs Corner Business Improvement District	515	DVRPC vehicle emissions statistics	\$2000 for signs/ Donations, Foundation Grants, General Fund	2012 and ongoing
	26	Promote DVRPC's Share a Ride car-pooling program.	WVST, Township Secretary/ Township staff, WSVT	537.8	Participation in competition, DVRPC statistics	Cost of contest prize/ Donations, General Fund	2012 and ongoing

**Category: Environment**

**Goal 3: Protect and improve soil health**

Target	#	Initiative	Person Responsible/ Who Will Do	Impact Score	Measure of Success	Costs/ Funding Source	Completion Date
All township-owned lands are farmed using best soils practices by 2015	27	Establish a phased program of best soil agricultural practices on all township-owned lands.	WVST, BoS, Township Manager/ Township staff, Solicitor	559.2	Soil tests	Staff time, minimal cost for soil tests General Fund	2012 for Tasks 1 and 2 2015 for Task 3 2017 for Task 4
	28	Educate residents in soil conservation practices	WVST/ WVST	463.5	Resident surveys	Minimal as part of overall education program/ General Fund, grants	2012 and ongoing

<b>Category: Environment</b>							
<b>Goal 4: Reduce solid waste stream into landfills</b>							
<b>Target</b>	<b>#</b>	<b>Initiative</b>	<b>Person Responsible/ Who Will Do</b>	<b>Impact Score</b>	<b>Measure of Success</b>	<b>Costs/ Funding Source</b>	<b>Completion Date</b>
<b>100% of municipal organic waste &amp; 15% of residential organic waste is composted for use in agriculture &amp; landscaping</b>	<b>29</b>	Create a viable facility for community composting	WVST, BoS, Township Manager/  BoS, WVST, Trash Taskforce, Township staff	514.5	Facility is online or need met by other means/  Number of households using the facility	\$200,000 for land acquisition, \$50,000 for equipment, \$45,000 per annum for operator/  Grant, tipping fees, compost sales, General Fund	2014-2018
	<b>30</b>	Educate township staff and residents on benefits of composting	WVST, Township Manager/  WVST, Volunteer Corps	562.4	Training in place  Elimination of organic waste in municipal trash, number of household who report composting on survey	Minimal to set up, possible reduction in waste removal costs and savings in mulch and soil amendments for township landscape areas/  General fund, grants	2012 and ongoing

	<b>31</b>	Develop and promote a Source Separated Organic Material Composting program.	WVST, Township Manager, BoS/ WVST, BoS, Township Manager, Solicitor, Township staff	502.9	Assessment performed, program designed, funding in place, pilot implemented and assessed  Composting facility and hauler reports, number of households participating	\$25,000-\$50,000 in start-up costs/ Grants, user fees, and supplies sales	Assessment and program design 2013-2015, Pilot program, education and promotion, 2015, 2016 program modifications, 2017 township wide expansion
<b>90% of township households recycle 90% glass, metal, 1-7 plastics and mixed paper by 2020</b>	<b>32</b>	Enact township ordinance on recycling	WVST, BoS, Township Manager/ Trash Taskforce, Township Manager, Solicitor, BoS	615.46	Ordinance is enacted  Residents are actively placing recyclable materials in proper bins, King of Prussia Recyclery reports	\$1,000-\$2,000 for ordinance/ Recycling grants	2012
	<b>33</b>	Educate township residents on recycling	WVST, Township Manager/ WVST, Township staff, volunteers	577.6	Survey and/or King of Prussia Recyclery data.	Township staff time, \$200 for materials/ Recycling grant, General Fund	2012
<b>Municipal use of disposable</b>	<b>34</b>	Create and implement	Township	530.3	Paper, mail, and	Staff time,	2013 and ongoing

materials is reduced 70% by 2020		a municipal paper reduction plan	Manager, WVST, BoS/ Township staff, WVST		ink costs, volume or weight of paper refuse and recyclables	software updates up to \$10,000/ Grants, General Fund	
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## Environment

### Goal: Protect and improve wildlife habitat

Target	#	Initiative	Person Responsible/ Who Will Do	Impact Score	Measure of Success	Costs/ Funding Source	Completion Date
Continuous wildlife corridors are created and preserved throughout township	35	Create and preserve continuous wildlife corridors throughout township	BOS, WVST, PC, and EAC/ Township staff: mapping; EAC: education program; easement purchase: Open Space Committee and BoS	439	Aerial mapping of corridors, program created Missing links filled in and corridors protected	Staff time, Easement purchase at appraised value with open space funds as available/ State, county or foundation grants, partnership with land trust, General Fund, Open Space Fund	2013 and ongoing
Restore native habitat on all township owned non-agricultural land by 2020	36	Restore native habitat on all township owned non-agricultural land by 2020	BOS, EAC, Township Manager/ EAC, WVST, landscape	501	Number of acres restored	\$15,000 or more on currently owned land plus staff time	Plan 2012, Implementation 2020

			consultant (plan) Road Crew, Township groundskeeper, Volunteer Corps (installation)			/Plant registry, Tree-Vitalize, State, County, Foundation Grants; fundraising events, General Fund	
	37	Create Township native plant registry to enable residents to donate plants for township habitat restoration projects	WVST, EAC and Township Manager/ WVST, EAC, and Township Secretary	504.07	Registry online and promoted  Number of plants purchased, donated, and planted	Staff time/ General Fund	2012 and ongoing
<b>Residents are educated about wildlife friendly practices</b>	38	Educate residents about Audubon Bird Town Program	WVST, EAC/ WVST, EAC and Township staff	615.7	Article and brochure written and distributed, display created and promotional information included on website  Enrollment records	Minimal staff time/ General Fund	2012 and ongoing
	39	Implement and expand sustainable demonstration landscape plan on township grounds	WVST, EAC/ Volunteers led by knowledgeable gardeners, Twp staff	551.9	Number of participants, evidence of more butterflies and birds, etc.	Up to \$5,000 incrementally  /Donations, Tree-Vitalize, grants, EAC annual budget	2012 and ongoing

	40	Provide easy access to West Vincent Township Greenway Guide	WVST, Township staff/ WVST, Township staff	573.36	Number of participants in educational program, hits on webpage, survey	Staff time/ State, county, foundation grants, General Fund	2012 and ongoing
<b>Harmful effects of deer overpopulation reduced 50% by 2020</b>	41	Develop a township sponsored deer management program to reduce the deer population 30% by 2020	WVST, Township Manager, BoS/ EAC, Police, Volunteer Corps, local hunters, property owners	513	Property owner survey and photos	Staff time, minimal materials as part of overall sustainability education program and fair/ Grant, General Fund, donations	2012 and ongoing

**Category: Economy****Goal : Provide for diverse, appropriately scaled economic development**

Target	#	Initiative	Person Responsible/ Who Will Do	Impact Score	Measure of Success	Costs/ Funding Source	Completion Date
<b>Encourage family farming in township</b>	42	Support “value-added” opportunities for farmers by investigating the feasibility of implementing various municipal projects, including but not limited to, certain sustainability	WVST, BoS, Township Manager/ Township Manager and BoS	507.88	Farmers make use of available township business opportunities	Minimal for checklist and farmer outreach/ General Fund	2012 and ongoing

		initiatives, as farm business opportunities					
	43	Educate farmers about governmental programs that can generate additional income, with special emphasis on environmental remediation programs	WVST, Township Manager/ WVST, Township staff	514.29	Outreach program in place  Farmers participating in programs	Minimal cost in staff and volunteer time/  Grants, General Fund	2012 and ongoing
	44	Connect farmers to educational resources that promote agricultural business skills	WVST, BoS, Township Manager/ Township staff	415	Local farmers taking advantage of programs available	\$1500 per year \$600 to \$1,000 for memberships, \$500 or more for scholarships/ General Fund	2012 and ongoing
<b>Encourage local, appropriately scaled businesses in mixed-use village</b>	45	Create incentives for local businesses to use sustainable practices, including a branding program for participating businesses	WVST, BoS, Township Manager, Solicitor, Building Department  WVST, PC, Solicitor, BoS, Business stakeholders	566.33	Incentives are adopted and in use, marketing plan implemented, businesses have signed on as Green District participants  Ludwigs Corner is attractive, creates minimal impact to the environment and offers	Staff time/  Local businesses, General Fund	2013

					sustainable features at little or no cost to taxpayers		
	46	Develop a Neighborhood/ Business Improvement District at Ludwigs Corner to maintain common open spaces, facilities like jitney, etc.	WVST, BoS, Township Manager, Solicitor/ PC, BoS, Solicitor, Business stakeholders	462	Ordinance provisions are adopted and in use  Ludwigs Corner is attractive, creates minimal impact in the environment and offers sustainable features at little or no cost to taxpayers	Staff time, \$5,000 in legal fees/ General Fund	2013-2015
<b>Home occupations are encouraged and supported</b>	47	Continue to remove barriers and provide incentives for home occupations in township ordinances	Township Manager, Planning Commission, BoS/  Township Manager, Planning Commission, BoS	557.88	Follow-up surveys, US Census, Chester County survey, DVRPC data, school district data	No additional cost as part of a general revision process/ General Fund	2012 and ongoing
<b>35 to 40% of agricultural and natural lands in township permanently conserved</b>	48	Continue land conservation program using multiple approaches	BoS, Open Space Committee, Township Manager/	607.25	Number of acres conserved	Several million dollars/ EIT, impact	2012 and ongoing

			BoS, Open Space Committee, Township Manager, and Solicitor			fees and fees in lieu, grants	
<b>All targets</b>	<b>49</b>	Create an innovation incubator program	WVST/ WVST	351.71	Establishment of program and ongoing participation by fellows and/or students	\$40,000 per annum/ Grants, donations, innovations marketing	2014 and ongoing
<b>Category: Equity</b>							
<b>Goal: Make community benefits that accrue from prosperity available to all</b>							
<b>Target</b>	<b>#</b>	<b>Initiative</b>	<b>Person Responsible/ Who Will Do</b>	<b>Impact Score</b>	<b>Measure of Success</b>	<b>Costs/ Funding Source</b>	<b>Completion Date</b>
<b>10-15% of housing meets township affordability definition by 2020</b>	<b>50</b>	Provide mechanisms to provide moderately priced housing while keeping township character	BoS, Planning Commission/ Planning Commission, Township Manager, BoS, Solicitor	464.25	Transfer taxes, sales prices, assessments	Staff and solicitor time as with any ordinance amendment for ordinance revisions; price control program costs to be determined/ General Fund, government grants, developers	2012 and ongoing for ordinance revisions, 2020 for other housing programs
<b>Accessible passive and active recreational</b>	<b>51</b>	Work with local non-profits to continue to	BoS, Township Manager, EAC,	620.5	Nearby access to township trail	Trail easements:	2012 and ongoing

<p><b>opportunities are available township-wide</b></p>		<p>build a publicly accessible, formally protected township-wide trail system that connects to the regional network</p>	<p>Land Trusts/ EAC, Land Trusts, BoS, Volunteers Corps for clearing, blazing and maintenance of natural surface trails</p>		<p>system for all township residents</p>	<p>\$5/ft for larger properties to \$30/ft. for 2 to 3 acre properties  Cost of paving if and where desired (more likely to be part of land development plan and paid for by developer)  Cost of liability insurance for volunteers if necessary/  Foundation and County grants, Open Space Funds, developers</p>	
	<p>52</p>	<p>Add non-field all-season active recreation to park and recreation planning</p>	<p>BoS, Park and Recreation Committee, Planning Commission/  Township staff, Park and</p>	<p>435.56</p>	<p>Plan created and implemented  Different recreational activities are available to all residents</p>	<p>Staff time, facilities dependent on sport /Grants, developer fees in lieu,</p>	<p>2012 and ongoing</p>

			Recreation Committee			impact fees	
	53	Create policy and procedures for use of public and private trails	BoS, EAC, Township Manager/ Township staff	485.79	Maps created, trail pass program devised and online  Maps distributed, trail passes issued	Staff time, \$500 for map printing/ General Fund	2013 and ongoing
<b>Category: Engagement</b>							
<b>Goal: Build a sense of place, community connection, and civic engagement</b>							
Target	#	Initiative	Person Responsible/ Who Will Do	Impact Score	Measure of Success	Costs/ Funding Source	Completion Date
<b>A network of appealing public spaces is established in Ludwigs Corner and other neighborhoods</b>	54	Provide public space for assembly and social engagement as appropriate throughout township	Planning Commission, BoS, Township Manager/ Planning Commission, BoS	474.82	Inventory, mapping, and ordinance amendments completed/  Number and types of facilities, square footage, acreage	Staff time, Solicitor review \$2,000/  Since facilities will be installed for the most part by developers, installation should not cost the township, although maintenance will become a public responsibility and cost,	2012 and ongoing

						likely to lead over time to the expansion of the public works department	
	<b>55</b>	Develop a public arts program at Ludwigs Corner that promotes walkability and engagement through participation	WVST/ Public Arts Committee, Township staff	353.33	Committee formed and program online  Program participation, resident comments	Staff time/ Donations, grants	2015
<b>A tradition is established of recurring free &amp; low-cost community events that connect residents to WVT distinctive sense of place, history &amp; culture</b>	<b>56</b>	Create and implement an annual township events calendar	BOS, Township Manager, WVST/ Township staff, WVST, EAC, Park and Rec, Event Committees and Volunteer Corps	527.22	Events evaluated, chosen and scheduled, committees created, events held  Positive survey responses, event participation	Staff time plus cost of events & promotion: \$12,000 for Community Day to \$100 or less for educational events. Budget allowance: \$10,000 or more/  Donations, General Fund, grants	2012 and ongoing

<p><b>Local government outreach to residents is enhanced through social events, neighborhood meetings, school programs, etc.</b></p>	<p><b>57</b></p>	<p>Create and implement a multi-media township communications plan</p>	<p>BoS, Township Manager, WVST/  Who should do the work? Township staff, BoS, volunteer communications taskforce</p>	<p>504.27</p>	<p>Plan created, new communication features on line, improvements made to existing communications /Meeting attendance, positive survey responses, township email list and Facebook friends</p>	<p>Staff time plus cost of accounts and printing: \$2,000 plus annually/  General Fund</p>	<p>2012 and ongoing</p>
	<p><b>58</b></p>	<p>Create a township civics education program</p>	<p>WVST, BoS, Township Manager/  Township Manager and staff, BoS, solicitor</p>	<p>430.09</p>	<p>Program implemented  More attendance at township meetings, more volunteers, more voters in municipal elections</p>	<p>Staff time plus cost of materials: with film up to \$5,000/  Grant, General Fund</p>	<p>2013 and ongoing</p>
	<p><b>59</b></p>	<p>Create and maintain a township volunteer corps</p>	<p>WVST, Township Manager/  WVST, Township Secretary</p>	<p>530.55</p>	<p><i>Number of volunteers available as needed for sustainability projects</i></p>	<p><i>100-\$500 per annum/  General Fund</i></p>	<p><i>2012 and ongoing</i></p>
	<p><b>60</b></p>	<p>Establish a township</p>	<p>WVST/</p>	<p>476.09</p>	<p>Committee in</p>	<p>Nominal staff</p>	<p>2012 and ongoing</p>

		welcome wagon	WVST, Welcome Wagon Committee, Township staff		place and materials created  More participation by newcomers in community events and township government, could be measured by use of sign-in sheets and registrations	time, \$500 a year for materials/  Business ads and donations	
	61	Recognize resident volunteer contributions at annual events	BoS, Township Manager/  Township Manager and staff, BoS	518.22	Meetings scheduled and planned  Anecdotal and survey evidence of increased community awareness of volunteer efforts and opportunities, more new and returning volunteers	Staff time plus cost of food: \$250 per meeting/  General Fund	2012 and ongoing

## Initiative Calendar

Initiatives in bold typeface are in process.

<b>2012</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>
<b>Initiative</b>		16, <b>22</b> , 29, 31, 32, 47, <b>48</b> , 50, <b>51</b> , 53, <b>54</b>	<b>19</b> , 56	13, 16, 17, 26, 37, 38, <b>39</b> , 59	1, 57	6, 8, 14, 24, 41
	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>Initiative</b>	42, 43	36	4, 8, 15, 28, 30, 33	60	61	2, 45
<b>2013</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>
<b>Initiative</b>		5, <b>8</b> , 9, 31, 45, 46, <b>51</b> , 53, <b>54</b>	11, 21, 56	12, 18, 25, 29, <b>39</b>		10
	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>Initiative</b>			4, 15, 28, 30, 33		17, 34	3, <b>14</b> , 24, 35, <b>50</b> , 58
<b>2014</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>
<b>Initiative</b>	16, 29	<b>51</b> , <b>54</b>	56	<b>39</b>		
	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>Initiative</b>			4, 15, 28, 30, 33		17	<b>14</b> , <b>50</b>
<b>2015</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>
<b>Initiative</b>		7, 21, 25, <b>51</b> , <b>54</b>	31, 56	<b>39</b>		
	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>Initiative</b>			4, 15, 28, 30, 33		17	<b>9</b> , <b>14</b> , 20, 27, 50, 55

# Appendices

## Appendix A

### Initiatives 1-61

#### **Initiative 1: Perform energy audit on all township facilities and implement recommendations**

**Category:** Energy

**Goal:** Reduce Township wide CO2 emissions

**Target:** Reduce municipal energy consumption 50% by 2020

**Scope:** Township facilities (vehicles and equipment if included in audit)

**Other Categories Affected:** Energy, Environment

**Tasks:**

1. Commission energy audit on all facilities
2. Create phased approach to implement audit recommendations
3. Obtain funding
4. Implement

**Results:** Municipal energy consumption reduced to the extent of the recommendations

**Who will be responsible to see this happens?** WVST, Township Manager, BoS

**Who should do the work?** Township Manager and staff

**When does it need to be done to have an impact?** 2012 for Tasks 1-3, 2012 and beyond for Task 4

**How do we measure this?**

**Tasks:** Completion of energy audit recommendations

**Target:** Documented reduction in costs and usage (kWh and fossil fuels)

**How much will it cost?** \$3000-\$5000

**Funding source?** General Fund, grant

**Initiative 2: Create and Implement Alternative Energy Plan for Township Facilities**

**Category:** Energy

**Goal:** Reduce CO<sub>2</sub> emissions from 2005 levels

**Target:** Reduce municipal energy consumption 50% by 2020

**Purpose:** To use appropriate township lands and structures for alternative energy generation

**Scope:** Municipal facilities, possibly beyond

**Other Categories Affected:** Economy, Environment

**Tasks:**

1. Inventory township facilities for suitability for alternative energy generation by type
2. Research all details including ownership issues, costs, connection options, best practices for installation, hiring consultant if necessary
3. Complete plan
4. Obtain funding as appropriate to implement plan
5. Create RFP for providers. Emphasis should be on zero or low-cost options and installations
6. Choose provider(s)
7. Install

**Results:** Township generates at least 50% of the energy it uses from renewable resources

**Who will be responsible to see this happens?** WVST, EAC, BoS

**Who should do this?** Township Manager, WVST, EAC, BoS

**When does it need to be done to have an impact?**

Plan 2012, Implementation 2020

**How do we measure this?**

**Tasks:** Improvements installed as planned

**Target:** Energy costs and kWh provided by renewable facilities

**How much will it cost?**

\$25,000 to \$1 million depending on plan recommendations and funding opportunities

**Finding source?** Grants, energy provider, sale of excess energy. Large solar projects often include financing that makes the end cost near zero. WVT may even be able to have net income through this use of Township property, if solar cost downward trends continue

**Initiative 3: Hire a part-time township utilities manager**

**Category:** Energy

**Goal:** Reduce CO<sub>2</sub> emissions from 2005 levels

**Target:** Reduce municipal energy consumption by 50% by 2020. Reduce township-wide energy use by 25% by 2020.

**Scope:** Township

**Other Categories Affected:** Environment

**Tasks:**

1. Research positions of this type in other municipalities
2. Draft position purpose and description. Purpose should include to bring best practices to the energy use, drinking water systems, and waste water treatment facilities of township-owned property. Duties should include securing grants for alternative energy projects for township facilities and residents, monitoring compliance and energy use by all township facilities, including wastewater and energy projects, etc., possibly performing energy audits for township residents
3. Budget for position
4. Hire

**Results:** Strong focus on making improvement to WWT owned infrastructure, saving costs over existing systems, and bring in funding from state and federal sources.

**Who will be responsible to see this happens?** WVST, Township Manager, BoS

**Who should do this?** Township Manager, WVST, BoS

**When does it need to be done to have an impact?** 2012-2013

**How do we measure this?**

**Tasks:** Person hired, grants received, audits performed, improved compliance of township utilities

**Target:** Gradual reduction in municipal energy consumption and costs, measured by County, DVRPC and internal surveys

**How much will it cost?** \$30,000 per year

**Funding source?** 50% Sewer Fund, 50% General Fund

**Initiative 13: Provide water warnings to residents during flood events**

**Category:** Environment

**Goal:** Protect and improve water quality

**Target:** Reduce sources of non-point pollution 20% from 2015 baseline by 2020

**Scope:** Township

**Other Categories Affected:** Environment/Soil

**Tasks:**

1. Create and implement plan to distribute county flood warnings to township residents, including blast e-mails, website homepage alerts, signage, including electric police sign and signs at Ludwigs Corner Firehouse
2. Educate residents via website, newsletter about measures to take to prevent and mitigate contamination from well head flood exposure

**Results:** Township residents receive timely warnings about possible well threat from flooding and take measures to protect their wells and mitigate contamination

**Who will be responsible to see this happens?** WVST, Township Manager

**Who should do the work?** Township staff, Emergency Management Coordinator, WVST

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Plan created and implemented

**Target:** Surveys, anecdotal evidence of increased resident awareness of flooding risks and remediation procedures

**How much will it cost?** Minimal staff time

**Funding source?** General Fund

**Initiative 4: Create a sustainable energy education outreach program for both residents and township employees**

**Category:** Energy

**Goal:** Reduce CO<sub>2</sub> emissions from 2005 levels

**Target:** Reduce township-wide energy consumption 10% by 2020

**Purchase/generate 25% of residential energy from alternative sources**

**Scope:** Township

**Other Categories Affected:** Environment, Engagement

**Tasks:**

1. Draft and adopt energy conservation policies for township staff
2. Collect educational materials for residents for display in township building and library
3. Create Energy webpage on township website, offering definitions, resources, funding information, links
4. Cover green energy in newsletters
5. Promote green energy at annual township sustainability fair
6. Create an annual green energy competition for township residents and businesses

**Results:** Educated and motivated WVT staff and citizens do positive things to reduce energy consumption on their properties

**Who will be responsible to see this happens?** WVST, Planning Commission Chair, BoS liaison

**Who should do this?**

Township Manager, Secretary (website, newsletter), WVST (displays, fair, and competition), BoS (policy approvals)

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Hits on webpage, number of attendees at fair and participants in contest

**Target:** Gradual reduction in residential energy consumption measured by County, DVRPC and local surveys; more alternative energy used

**How much will it cost?**

\$2,000-\$3,000 for event costs

**Funding source?** Donations, grants, General Fund

**Initiative 5: Assist local farmers to use their land and buildings to generate alternative energy for farm use and income generation**

**Category: Energy**

**Goal: Reduce CO<sub>2</sub> emissions from 2005 levels**

**Target: Reduce township-wide energy consumption 10% by 2020.**

**Purchase/generate 25% of residential energy from alternative sources**

**Scope: Township**

**Other Categories Affected: Environment/Air and Economy**

**Tasks**

1. Educate farmers about programs promoting green energy and conservation on the farm (e.g. 2008 Farm Bill)
2. Help farmers apply for programs, grants

**Results: Local farmers convert as much as possible to alternative energy, sell extra electricity back to grid**

**Who will be responsible to see this happens? WVST, Township Manager**

**Who should do the work? WVST, Township staff**

**When does it need to be done to have an impact? 2013 and beyond**

**How do we measure this?**

**Tasks: WVST and staff educated to provide education to farmers, program online**

**Target: 1-2 percent added to alternative energy use in Township**

**How much will it cost? Minimal**

**Funding source? General Fund**

**Initiative 6: Revise Township ordinances and building codes to include incentives for, remove obstacles to, and add regulations requiring green building practices, including alternative energy generation and energy conservation.**

**Category:** Energy

**Goal:** Reduce CO<sub>2</sub> emissions from 2005 levels

**Target:** Reduce township-wide energy consumption 10% by 2020.

**Purchase/generate 25% of residential energy from alternative sources**

**Scope:** Township

**Other Categories Affected:** All Environment and Economy

**Tasks:**

1. Review Zoning Ordinance, Building Code and Subdivision and Land Development Ordinance
2. Revise as appropriate to meet targets, using among other sources the Rocky Mountain Land Use
3. Refer to BoS for advertisement and approval

**Results:** All ordinances promote the reduction of CO<sub>2</sub> emissions and other sustainability targets

**Who will be responsible to see this happens?**

WVST, Planning Commission Chair, BoS

**Who should do the work?** Township Manager, WVST, Planning Commission, Solicitor, BoS

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** All applicable ordinances and codes revised and adopted.

**Target:** 1 to 2% reduction in township-wide energy consumption

1 to 2% of residential energy from alternative sources

**How much will it cost?** No additional cost as part of a general revision process

**Funding source?** General Fund

**Initiative 7: Provide municipal financing for residential alternative energy installations to be repaid by users through a township real estate tax surcharge.**

**Category: Energy**

**Goal: Reduce CO<sub>2</sub> emissions from 2005 levels**

**Target: Purchase/generate 25% of residential energy from alternative sources**

**Scope: Township**

**Other Categories Affected: Environment**

**Tasks:**

1. Research costs of individual installations of various alternate energy methods
2. Research suppliers
3. Negotiate pricing with suppliers
4. Present concept to residents to assess interest
5. Develop criteria and agreements for participation
6. Secure bond
7. Provide funding on first come, first serve basis

**Results: Significant (10% or more) increase in alternative energy use among township households**

**Who will be responsible to see this happens? WVST, BoS, Township Manager**

**Who should do the work? Township Manager, BoS, Solicitor**

**When does it need to be done to have an impact? 2015**

**How do we measure this?**

**Tasks:** Program on line

**Target:** Number of participants, survey

**How much will it cost? \$5,000 legal review**

**Funding source? General Fund**

**Initiative 8: Map township forests and establish forest preservation and reforestation program to protect watershed, with an emphasis on riparian buffers**

**Category: Environment**

**Goal: Protect and improve water quality**

**Target: 100% of riparian areas on municipal land are forested by 2020**

**25% of riparian areas needing buffers on private lands are reforested by 2020**

**Scope: Township**

**Other Categories Affected: Energy, Environment/Air, Soil, Wildlife**

**Tasks:**

1. Update ordinance to improve riparian buffer regulations and incentives
2. Educate residents about importance of forested buffers on website and during sustainability events
3. Investigate funding sources and partnerships for forestation efforts
4. Map riparian areas needing forestation
5. Create a phased municipal forestation plan
6. Partner with land trusts and watershed organizations to implement forestation projects

**Result: Forested buffers prevent stream pollution and erosion from runoff**

**Who will be responsible to see this happens?** WVST, Township Manager, EAC, Planning Commission

**Who should do the work?** Planning Commission, EAC, Township Manager, BoS, Solicitor

**When does it need to be done to have an impact?** 2012 and ongoing for ordinance revisions and education, 2013 for riparian mapping and forestation plan, 2013 and ongoing for implementation

**How do we measure this?**

**Target:** Photographs, water testing, stream base flows

**How much will it cost?** Staff time, \$500 for educational materials, several thousand for municipal trees

**Funding source?** TreeVitalize and other grant programs, nonprofit partnerships, General Fund, landowner contributions, developers

**Initiative 9: Develop identification, testing, and remediation system for non-point pollution**

**Category: Environment**

**Goal: Protect and improve water quality and quantity**

**Target: Non-point pollution is reduced 20% from 2015 levels by 2020**

**Scope: Township**

**Other Categories Affected: Energy, Environment/Soil, Wildlife, Economy**

**Tasks:**

1. Set criteria for pollutants, including emerging contaminants
2. Update ordinances as necessary to enable better monitoring and control of contaminants
3. Develop a regular stream testing schedule
4. Identify sources of run-off pollution indicated by testing
5. Create action plan to improve water quality at unhealthy locations, control run-off, etc.

**Result: Township water quality is protected and improved**

**Who will be responsible to see this happens?** WVST, Township Manager, EAC, Planning Commission

**Who should do the work?** Planning Commission, EAC, Township Manager, BoS, Solicitor, DEP, Green Valleys Association, volunteers

**When does it need to be done to have an impact?** 2013 for criteria and ordinance revisions, 2015 and ongoing for testing and remediation

**How do we measure this?**

**Target:** Water testing

**How much will it cost?** Staff time, \$10,000 for water testing

**Funding source?** Grants, nonprofit and university partnerships, General Fund

**Initiative 10: Ensure that municipal and community wastewater is treated to remove emerging contaminants such as pharmaceuticals and personal care products from treated effluent using techniques such as biofiltration or reverse osmosis**

**Value Category:** Environment

**Goal:** Protect and Improve Water Quality and Quantity

**Target:** Reduce sources of non-point pollution 20% from 2015 baseline 2020

**Scope:** Township, French Creek Watershed

**Other Value Categories Affected:** Environment/ Wildlife

**Tasks:**

1. Hire water quality specialist to test local streams and aquifer for presence of emerging contaminants
2. If found to be above trace amounts, investigate solutions, including retrofitting municipal and community wastewater systems with appropriate filtration method. Require new plants to include chosen appropriate filtration method.
3. If no significant presence is found, continue monitoring on a pre-determined schedule

**Results:** Fewer contaminants enter groundwater

**Who will be responsible to see this happens?** BoS, Township Manager

**Who should do the work?** Water Quality Specialist, Township Manager, BoS, Solicitor

**When does it need to be done to have an impact?** 2013 for testing and establishment of new plant requirements, 2020 for retrofits.

**How do we measure this?**

**Tasks:** Testing done and evaluated, plants retrofitted as necessary, new plants with filtration as necessary

**Target:** Water tests of streams and aquifer

**How much will it cost?** \$10,000 or more for testing, \$300,000 plus per plant retrofit, additional costs to users and developers

**Funding source?** Developers, capital reserves, user fees

**Initiative 11: Require that on-lot septic systems be pumped every three years**

**Value Category: Environment/ Water**

**Goal: Protect and improve water quality and quantity**

**Target: Reduce non-point pollution 20% from 2015 levels by 2020**

**Scope: Township**

**Other Categories Affected: Environment/ Solid Waste**

**Tasks:**

1. Adopt stand-alone ordinance requiring pumping every three years, with reporting requirements and fines for non-compliance
2. Email blast and mail postcard informing all residents with on-lot systems of new law
3. Provide information and resources about septic pumping and inspections on Water page of website
4. Include annual reminder on township tax bill

**Results:** Streams and aquifer are better protected from malfunctioning systems

**Who will be responsible to see this happens?** BoS, Township Manager

**Who should do this?** Solicitor, BoS, Township staff

**When does it need to be done to have an impact?** 2013

**How do we measure this?**

**Tasks:** Ordinance adopted and residents informed

**Target:** Residents reports indicate majority compliance; stream tests show reduction in non-point pollution

**How much will it cost?**

\$5,000 legal and advertising costs; approximately \$1,000 for postcard mailing; staff time

**Funding source?** General Fund

**Initiative 12: Develop a Canada goose control program for township facilities**

**Category:** Environment

**Goal:** Protect and improve water quality and quantity

**Target:** Reduce non-point pollution 20% from 2015 levels by 2020

**Scope:** Township facilities

**Other Categories Affected:** Environment

**Tasks:**

1. Investigate cost-effective and environmentally friendly goose controls, including barriers and repellents
2. Create a phased plan for population control
3. Implement plan

**Results:** Goose dropping contamination is significantly reduced on township properties

**Who will be responsible to see this happens?**

Township Manager, EAC

**Who should do this?** Township groundskeeper and other staff

**When does it need to be done to have an impact?** 2013 and ongoing

**How do we measure this?**

**Tasks:** Plan created and implemented

**Target:** Visual assessment shows fewer geese and droppings, fecal contamination reduced in water tests

**How much will it cost?** A minimum of \$2,000 per year

**Funding source?** General Fund, Sewer Fund

**Initiative 13: Provide water warnings to residents during flood events**

**Category: Environment**

**Goal: Protect and improve water quality**

**Target: Reduce sources of non-point pollution 20% from 2015 baseline by 2020**

**Scope: Township**

**Other Categories Affected: Environment/Soil**

**Tasks:**

1. Create and implement plan to distribute county flood warnings to township residents, including blast e-mails, website homepage alerts, signage, including electric police sign and signs at Ludwigs Corner Firehouse
2. Educate residents via website, newsletter about measures to take to prevent and mitigate contamination from well head flood exposure

**Results: Township residents receive timely warnings about possible well threat from flooding and take measures to protect their wells and mitigate contamination**

**Who will be responsible to see this happens?** WVST, Township Manager

**Who should do the work?** Township staff, Emergency Management Coordinator, WVST

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Plan created and implemented

**Target:** Surveys, anecdotal evidence of increased resident awareness of flooding risks and remediation procedures

**How much will it cost?** Minimal staff time

**Funding source?** General Fund

**Initiative 14: Revise township ordinances and building codes to include incentives for, remove obstacles to, and add regulations for green building practices including green roofs, rain gardens, constructed wetlands, and other water quality practices**

**Category:** Environment

**Goal:** Protect and improve water quality and quantity

**Target:** Reduce non-point source pollution 20% from 2015 levels by 2020.

**Scope:** Township

**Other Categories Affected:** Environment/Wildlife and Soil Quality, Economy

**Tasks:**

1. Review Zoning Ordinance, Building Code and Subdivision and Land Development Ordinance
2. Revise as appropriate to meet targets, using among other sources Chester County, Rocky Mountain Land Use, Brandywine Conservancy and Pennsylvania Environmental Council model ordinances. Check American Planning Association sources
3. Refer to BoS for advertisement and approval

**Results:** All ordinances promote the filtration, absorption, and retention of storm water on site, minimizing stream discharge, thereby reducing non-point pollution and replenishing the aquifer.

**Who will be responsible to see this happens?**

WVST, Planning Commission Chair, BoS

**Who should do the work?**

Township Manager, WVST, Planning Commission, Solicitor, EAC, BoS

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** All applicable ordinances and codes revised and adopted

**Target:** Water testing shows reduction in non-point-source pollution, flooding and runoff issues are reduced

**How much will it cost?** Should be done as part of a general revision process costing \$5,000 to \$10,000 in legal and advertising fees

**Funding source?** General Fund

**Initiative 15: Educate township staff and residents about their role in water quality protection and water conservation**

**Category: Environment**

**Goal: Protect and improve water quality and quantity**

**Targets: All**

**Scope: Township-wide**

**Other Categories Affected: Environment/Wildlife and Soil Quality, Engagement**

**Tasks:**

1. Draft and adopt water protection and conservation policies for township staff
2. Collect materials for resident education including information about storm water management, safe disposal of medicines, biofiltration, conservation methods, septic system inspection every three years, and well water protection during flooding
3. Create Water web page on township website, offering definitions, resources, funding information, links including ReadyNotifyPA for severe weather alerts and county water warnings
4. Include information about water protection and conservation at annual sustainability fair
5. Create a water conservation competition for township residents and businesses
6. Include an article in township newsletter about water at least annually
7. Include reminder on township tax bill to pump your septic system every three years

**Results: Educated and motivated WVT staff and citizens do positive things to protect water quality and reduce consumption on their properties.**

**Who will be responsible to see this happens?** WVST, Township Manager, BoS

**Who should do the work?**

Township Manager and Secretary (website), WVST and EAC (fair and competition), BoS and Solicitor (policies). Partner with non-profits such as Green Valley Association, our local watershed association, and County agencies such as Chester County Water authority wherever possible.

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Target:** Hits on web page, number of attendees at fair and participants in contest. Gradual reduction in water consumption and pollution measured by Chester County, DVRPC, local surveys; well water and stream tests

**How much will it cost?** \$2,000 annually for event costs

**Funding source?** Donations, General Fund

**Initiative 16: Decrease use of gasoline lawnmowers in township**

**Category: Environment**

**Goal: Improve and protect air quality**

**Target: Combustion engine emissions are reduced 20% by 2020**

**Scope: Township**

**Other Categories Affected: Environment, Engagement**

**Tasks:**

1. Create incentive/decrease impediments in ordinances and regulations
2. Create educational program for no-mow strategies using West Vincent Greenway Guide as starting point, promote through events, newsletter, and website
3. Reach out to targeted groups, especially HOAs and developers with educational materials and goals
4. Evaluate municipal mowing practices and create plan for returning designated mowed areas to meadow or woodland
5. When available and necessary, replace gasoline mowers with mowers that use alternative energy sources
6. Make reduced mowing a category in annual sustainability fair competition
7. Assess results by periodic survey

**Results: Decrease in gas mower use and consequent decrease in emissions and fuel consumption**

**Who will be responsible to see this happens?** WVST, BoS, Township Manager

**Who should do the work?** EAC, Township staff, Planning Commission, BoS

**When does it need to be done to have an impact?** 2012 for Tasks 1-2 and 4; 2013 for Tasks 4 and 6, 2014-2015 for Tasks 5 and 7

**How do we measure this?**

**Target:** Discernible decrease in mowed areas, survey

**How much will it cost?** \$500 for education

**Funding source?** Government or foundation grants, General Fund

**Initiative 17: Decrease use of gasoline lawnmowers in township**

**Category: Environment**

**Goal: Improve and protect air quality**

**Target: Combustion engine emissions are reduced 20% by 2020**

**Scope: Township**

**Categories Affected: Environment, Engagement**

**Tasks:**

6. Create incentive/decrease impediments in ordinances and regulations
7. Create educational program for no-mow strategies using West Vincent Greenway Guide as starting point, promote through events, newsletter, and website
8. Reach out to targeted groups, especially HOAs and developers with educational materials and goals
9. Evaluate municipal mowing practices and create plan for returning designated mowed areas to meadow or woodland
10. When available and necessary, replace gasoline mowers with mowers that use alternative energy sources
8. Make reduced mowing a category in annual sustainability fair competition
9. Assess results by periodic survey

**Results: Decrease in gas mower use and consequent decrease in emissions and fuel consumption**

**Who will be responsible to see this happens?** WVST, BoS, Township Manager

**Who should do the work?** EAC, Township staff, Planning Commission, BoS

**When does it need to be done to have an impact?** 2012 for Tasks 1-2 and 4; 2013 for Tasks 4 and 6, 2014-2015 for Tasks 5 and 7

**How do we measure this?**

**Target:** Discernible decrease in mowed areas, survey

**How much will it cost?** \$500 for education

**Funding source?** Government or foundation grants, General Fund

**Initiative 18: Convert municipal maintenance equipment to use locally sourced B20 or better biodiesel**

**Category:** Environment

**Goal:** Protect and improve air quality

**Target:** Reduce combustion engine emissions 20% by 2020

**Scope:** Township

**Other Categories Affected:** Energy

**Tasks:**

1. Determine whether township vehicles can use biofuel, biofuel blends, or need alteration.
2. Investigate grant opportunities for conversion costs and seek funding
3. Make necessary alterations
4. Send out bids for bulk biofuel and biofuel blends if not available under state contract

**Results:** Reduced emissions, lower costs

**Who will be responsible to see this happens?**

WVST, Township Manager, Roadmaster, BoS

**Who should do this?**

Township Manager, BoS

**When does it need to be done to have an impact?** 2013 and ongoing

**How do we measure this?**

All vehicles are fueled exclusively with biofuel or high-biofuel blends; combustion engine emissions reduced correspondingly

**How much will it cost?** \$10,000 or more

**Funding source?** Grants

**Initiative 19: Create and implement township multimodal transportation plan**

**Category: Environment**

**Goal: Protect and improve air quality**

**Target: Reduce combustion engine emissions 20% by 2020.**

**Scope:** Township-wide, with possible regional extension

**Other Categories Affected:** Energy

**Tasks:**

1. Survey residents about interest in other modes of travel
2. Assess suitability/ease of providing capacity for each alternative mode of travel (foot, bike, public transit, park and ride) and map phases/zones
3. Simultaneously promote idea at Northern Federation and Phoenixville Regional Committee
4. Obtain plan funding and hire consultant
5. Complete plan
6. Secure funding for each implementation phase
7. Implement plan recommendations on a phased schedule

**Results: Phased plan and policies created for all appropriate modes of transportation in township, including funding plan. A township-wide network for non-auto transportation, i.e., bike lanes and paths and sidewalks, as appropriate, that will also connect to a regional network, is gradually implemented.**

**Who will be responsible to see this happens?** WVST, Township Manager, BoS

**Who should do the work?** Consultant with Planning Commission, BoS, Township Manager

**When does it need to be done to have an impact?** Plan 2013, Implementation 2020

**How do I measure this?**

**Tasks:** Plan created, improvements installed as planned

**Targets:** DVRPC studies show reduced emissions

**How much will it cost?**

\$2-4 million plus (plan \$40,000)

**Funding source?** State and county grants

**Initiative 20: Purchase and operate high-mileage alternatively powered jitney to help residents circulate through the Ludwig's Corner area**

**Category: Environment**

**Goal: Protect and improve air quality**

**Target: Reduce combustion engine emissions 20% by 2020**

**Scope:** Ludwigs Corner area

Other Categories Affected: *Environment, Energy, and Engagement*

**Tasks:**

1. *Design route; include necessary accessories, i.e., shelters, signs, charging stations, parking area for jitney when not in use*
2. *Include route and accessories in development plans as they come before township*
3. *Negotiate with Business Improvement District and neighboring apartment/condo developments to provide financial support for vehicle and driver or alternatively contract with private operator for same*
4. *Seek grant for matching funds*
5. *If appropriate set nominal fee for riders*
6. *Purchase vehicle if necessary*
7. *Hire drivers (or consider volunteers) if necessary*
8. *Begin operation*

**Results:** *Park once and walk behavior supported in Ludwigs Corner area as shoppers have an alternative to carrying packages from far ends of Ludwig's Corner commercial area; those unwilling or unable to walk have convenient alternative to driving*

**Who will be responsible to see this happens?** *WVST, BoS, Planning Commission*

**Who should do the work?** *Ludwig's Corner Business Improvement District, Township Manager, BoS*

**When does it need to be done to have an impact?** *When commercial area is adequately developed, 2015 or later*

**How do we measure this?**

**Tasks:** *Jitney in service*

**Target:** *Number of riders, traffic counts*

**How much will it cost?** *Minimal to \$10,000 matching funds, annual subsidy TBD*

**Funding source?** *Business Improvement District, grants, user fees, General Fund for matching funds*

**Initiative 21: Provide user-friendly bicycle facilities**

**Category: Environment**

**Goal: Protect and improve air quality**

**Target: Reduce combustion engine emissions 20% by 2020**

**Scope:** Township, especially Ludwigs Corner

**Other Categories Affected:** Energy, Environment, Engagement, Equity

**Tasks:**

1. Use baseline survey to assess demand
2. Design a plan for a bike share or bike library pilot program (see, for example, Fort Collins, CO, or Paris, France program) with bike pickup and drop off at Ludwigs Corner, library and township building
3. Obtain sufficient number of bikes, bike stands, chains and locks for pilot and organize remaining management and maintenance details
4. Promote program through website, library, merchant's association
5. Implement and expand as necessary

**Results: More people use bikes instead of cars for functional transportation in Ludwigs Corner and environs**

**Who will be responsible to see this happens?** WVST, Township Manager, Ludwigs Corner Business Improvement District

**Who should do the work?** WVST, Volunteer Corps, local businesses, Township staff

**When does it need to be done to have an impact?** For existing facilities, 2013. For commercial area, as it is developed, 2015 or later

**How do we measure this?**

**Tasks:** Plan designed, pilot implemented and assessed

**Target:** Number of pick-ups and drop-offs at each location, traffic counts

**How much will it cost?** Pilot \$500-\$1,000, expansion up to \$5,000

**Funding source?** Rental fees, Business Improvement District, donations

**Initiative 22: Enhance the walkable environment inherent in the Ludwig's Corner Master Plan through strategic placement of street furniture, elimination of conflicts with vehicles, unifying crosswalk design, public art, green areas, attractive vistas, timing lights for pedestrians, etc.**

**Category: Environment**

**Goal: Protect and improve air quality**

**Target: Reduce combustion engine emissions by 20% by 2020**

**Scope: Ludwig's Corner Master Plan District**

**Other Categories Affected: Environment, Energy, Engagement, Equity**

**Tasks:**

1. Conduct a walking audit to determine what works, what needs improvement in area.
2. Review township ordinances and codes for consistency with goals
3. Negotiate with developers as area is built out
4. Establish a maintenance plan and assign responsibility

**Results: Ludwigs Corner is highly functional for pedestrians**

**Who will be responsible to see this happens? BoS, Township Manager**

**Who should do the work? Planning Consultant, Planning Commission, BoS**

**When does it need to be done to have an impact? 2012 and ongoing**

**How do we measure this?**

**Target: Walker counts in district, survey**

**How much will it cost? Staff time, consultant \$2,500**

**Funding source? Developers, General Fund, grant**

**Initiative 23: Increase number of students who walk to school**

**Category: Environment**

**Goal: Improve and protect air quality**

**Target: Reduce combustion engine emissions by 15% by 2020.**

**Scope: Township**

**Other Categories Affected: Energy and Engagement**

**Tasks:**

1. Gather information about walking school buses and other walk to school scenarios
2. Present information to local parents in walkable neighborhoods and seek supporters to join a walkable schools committee to lobby Owen J. Roberts School District
3. Engage school board and administration in discussion about alternatives
4. Continue promotion of concept to parents and district until walking program is implemented

**Results: Decreased bus and car emission, Student health is promoted through exercise en route to school, increased neighborhood engagement among students and families**

**Who will be responsible to see this happens?** Sustainability Committee, BoS

**Who should do the work?** BoS, school parents, school district

**When does it need to be done to have an impact?** 2015

**How do we measure this?**

**Tasks:** Walking program on line

**Target:** Quantifiable increase in number of students walking, decrease in bus use, decrease in parents' driving to and from school

**How much will it cost?** Minimal

**Funding source?** School district

**Initiative 24: Educate drivers and cyclists to share the road**

**Value Category: Environment**

**Goal: Protect and improve air quality**

**Target: Reduce combustion engine emissions by 20% by 2020**

**Scope:** Township; possibly regional

**Other Value Categories Affected: Environment, Energy, Engagement**

**Tasks:**

1. Collect materials for educational program
2. Distribute at Sunoco, library, post offices, other local businesses
3. Install "Share the Road" signs/posters
4. Promote on township website with link to PennDOT's Bicycle Driver's Manual and feature at annual sustainability fair

**Results: Improved road safety and increased bicycle use**

**Who will be responsible to see this happens?** WVST, BoS

**Who should do the work?** Volunteers, Park and Rec Committee

**When does it need to be done to have an impact?** 2013

**How do we measure this?**

**Tasks:** Materials prepared and distributed

**Target:** Fewer complaints about driver, pedestrian and bicycle conflict, more evidence of cycling in surveys

**How much will it cost?** \$2,000 for road signs, educational materials

**Funding source?** Grants, bicycle club donations, Business Improvement District, General Fund

**Initiative 25: Reduce vehicle idling time**

**Category:** Environment/Air

**Goal:** Improve and protect air quality

**Target:** Combustion-engine emissions are reduced by 15% by 2020

**Scope:** Township

**Other Categories Affected:** Environment/ Water and Energy

**Tasks:**

1. Assess and alter where appropriate timing on traffic lights – at low traffic areas and at low traffic times
2. Develop educational materials about harms of idling for sustainability educational outreach program in library, newsletter, and website
3. Post no idling signs in township parking lots
4. Distribute educational material to students at school targeting parents who wait in idling vehicles for bus

**Results:** Reduced emissions from idling

**Who will be responsible to see this happens?** WVST, BoS, Township Manager

**Who should do the work?** Township staff, WVST, Ludwigs Corner Business Improvement District

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Materials and signs created

**Target:** DVRPC vehicle emissions statistics

**How much will it cost?** \$2000 for signs

**Funding source?** Ludwigs Corner Business Improvement District, grant, General Fund

**Initiative 26: Promote DVRPC Share the Ride Program**

**Category: Environment**

**Goal: Improve and protect air quality**

**Target: Combustion-engine emissions are reduced by 15% by 2020**

**Scope: Township**

**Other Categories Affected: Energy and Engagement**

**Tasks:**

1. Promote DVRPC virtual Share the Ride program on township website, social media, blast emails, in newsletters, and township events.
2. Incorporate "most frequent carpooler" as prize category into annual township energy contest

**Results: More residents carpool and emissions reduced**

**Who will be responsible to see this happens?** WVST, Township Secretary

**Who should do the work?** Township staff, WSVT

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Incorporated into township media outreach and events

**Target:** Participation in competition, DVRPC statistics

**How much will it cost?** Cost of contest prize

**Funding source?** Donations, foundation grants, General Fund

**Initiative 27: Establish a phased program of best soil agricultural practices on all township-owned lands**

**Category:** *Environment*

**Goal:** *Protect and improve soil*

**Target:** *All township-owned lands are farmed using best soils practices by 2015*

**Note:** *PA Code 102.4 requires an erosion and sediment BMP (best management practices) plan for plowing, tilling, and animal heavy use of greater than 5000 sq. ft.*

**Scope:** *Township-owned lands*

**Other Categories Affected:** *Environment/ Air, Water, Wildlife and Solid Waste and Energy*

**Tasks:**

1. *Require leasing farmers to provide a cultivation plan including the following practices: no-till, cover cropping, soil improvement with manure and compost as outlined in a conservation plan required by the Natural Resources Conservation Service (NRCS) , and crop rotation*
2. *Allow animal grazing as part of the crop rotation cycle*
3. *By 2015, require a “ low external input” approach, that is, one that “seek[s] to optimize the management and use of internal production inputs (i.e. on-farm resources)... and to minimize the use of production inputs (i.e. off-farm resources), such as purchased fertilizers and pesticides, wherever and whenever feasible and practicable, to lower production costs, to avoid pollution of surface and groundwater, to reduce pesticide residues in food, to reduce a farmer's overall risk, and to increase both short- and long-term farm profitability”\**
4. *Review recommended best practices and update requirements in 2017 or sooner if necessary*

**Results:** *Township-owned lands are farmed using practices that improve soil quality*

**Who will be responsible to see this happens?** *WVST, BoS, Township Manager*

**Who should do the work?** *Township staff, Solicitor*

**When does it need to happen to have an impact?** *2012 for Tasks 1 and 2, 2015 for Task 3, 2017 for Task 4*

**How do we measure this?** *Soil tests*

**How much will it cost?** *Staff time, minimal cost for soil tests*

**Funding source?** *General Fund*

\* JF Parr et al., "Sustainable Agriculture in the United States," in *Sustainable Agricultural Systems*, ed. by Clive A. Edwards, et al. (Ankeny IA: Soil and Water Conservation Society, 1990), p. 52. NAL Call # S494.5 S86S86

**Initiative 28: Educate landowners about best soil practices**

**Category:** *Environment*

**Goal:** *Protect and improve soil*

**Target:** *Residents are well educated in good soil stewardship practices.*

**Note:** *PA Code 102.4 requires an erosion and sediment BMP (best management practices) plan for plowing, tilling, and animal heavy use of greater than 5000 sq. ft.*

**Scope:** *Township*

**Other Categories Affected:** *Environment/ Water*

**Tasks**

1. *Collect educational materials from PA Dept of Agriculture, Rodale Institute, Pennsylvania Association of Sustainable Agriculture.*
2. *Develop an educational program on soils as part of Township educational series on Sustainable Environmental Practices to incorporate into calendar of events*
3. *Create a page on the website devoted to agriculture, gardening, and animal pastures with resources, tips, and links*

**Results:** *Residents gradually become better informed about sustainable soil practices*

**Who will be responsible to see this happens?** *WVST, EAC, Township staff*

**Who should do the work?** *WVST, Township staff, volunteer corps*

**When does it need to happen to have an impact?** *2012 and ongoing*

**How do I measure this?** *Number of participants in educational program, hits on webpage, survey*

**What will it cost?** *Staff time*

**Funding Source?** *State, county, foundation grants, General Fund*

**Initiative 29: Create a viable facility for community composting**

**Category: Environment**

**Goal: Reduce solid waste disposal 40% by 2020, 80% by 2050**

**Target: 100% of municipal organic waste and 50% of township organic waste is composted and used in agriculture and landscaping**

**Scope: Township**

**Other Categories Affected: Environment/Air Quality, Water Quality, Soil Health, Economy, Engagement**  
**Tasks:**

1. Research and evaluate existing options for community composting (for instance, sending our organic waste to neighboring municipal facilities, private/ public partnerships with farmers or other township landowners). If analysis determines it is most cost effective to build and operate a publically owned community composting facility, proceed as follows:
2. Identify any available grants for community composting projects and other funding sources
3. Identify site, determine scope, design, and operation details, and prepare budget for site acquisition and development
4. Secure funding
5. Enact necessary ordinances
6. Acquire and build facility

**Results: Organic materials collected from municipal activities and homeowners are diverted from the solid waste stream and returned to the soil as compost, which can be sold to the public; township trash costs reduced**

**Who will be responsible to see this happens? WVST, BoS, Township Manager**

**Who should do the work? BoS, WVST, Township staff**

**When does it need to be done to have an impact? 2015-2018**

**How do we measure this?**

**Tasks:** Facility is online or need is accommodated by other means

**Target:** Number of households using the facility

**How much will it cost? 0 to \$200,000 for land acquisition, \$50,000 for equipment, \$45,000 per annum for operator**

**Funding source? Grant, dumping fees, compost sales, General Fund**

**Initiative 30: Create a viable facility for community composting**

**Category: Environment**

**Goal: Reduce solid waste disposal 40% by 2020, 80% by 2050**

**Target: 100% of municipal organic waste and 50% of township organic waste is composted and used in agriculture and landscaping**

**Scope: Township**

**Other Categories Affected: Environment/Air Quality, Water Quality, Soil Health, Economy, Engagement**

**Tasks:**

1. Research and evaluate existing options for community composting (for instance, sending our organic waste to neighboring municipal facilities, private/ public partnerships with farmers or other township landowners). If analysis determines it is most cost effective to build and operate a publically owned community composting facility, proceed as follows:
2. Identify any available grants for community composting projects and other funding sources
3. Identify site, determine scope, design, and operation details, and prepare budget for site acquisition and development
4. Secure funding
5. Enact necessary ordinances
6. Acquire and build facility

**Results: Organic materials collected from municipal activities and homeowners are diverted from the solid waste stream and returned to the soil as compost, which can be sold to the public; township trash costs reduced**

**Who will be responsible to see this happens? WVST, BoS, Township Manager**

**Who should do the work? BoS, WVST, Township staff**

**When does it need to be done to have an impact? 2015-2018**

**How do we measure this?**

**Tasks:** Facility is online or need is accommodated by other means

**Target:** Number of households using the facility

**How much will it cost? 0 to \$200,000 for land acquisition, \$50,000 for equipment, \$45,000 per annum for operator**

**Funding source? Grant, dumping fees, compost sales, General Fund**

**Initiative 31: Develop and promote a source separated organic material (SSOM) composting program**

**Category: Environment**

**Goal: Reduce solid waste disposal 40% by 2020, 80% by 2050**

**Target: 100% of municipal and 50% of township organic waste is composted and used when possible in agriculture and landscape maintenance**

**Scope: Township**

**Other Categories Affected: Environment/Soil and Energy**

**Tasks:**

1. Evaluate availability of service at a reasonable cost: closeness of composting facility, number of collections per month, cost of start-up supplies (carts, biodegradable bags, etc.), hauler capacity
2. Design a pilot program
3. When feasible to implement, seek grants for start-up costs
4. Promote program and educate residents about participation
5. Encourage restaurants, schools and institutions not currently composting and not served by township hauler to participate through incentives (e.g., green branding and marketing) either by composting onsite with electric composters or through collection and hauling
6. Evaluate pilot program and make adjustments to program as necessary
7. Expand program to entire township

**Results: At least 50% of township residents participate in composting program, possibly leading to a reduction in hauling fees**

**Who will be responsible to see this happens? WVST, Township Manager, BoS**

**Who should do the work? WVST, BoS, Township Manager, Solicitor, Township staff**

**When does it need to be done to have an impact? Assessment and program design 2013-2015, Pilot program, education and promotion, 2015, 2016 program modifications, 2017 township wide expansion**

**.How do we measure this?**

**Tasks:** Assessment performed, program designed, funding in place, pilot implemented and assessed

**Target:** Composting facility and hauler reports, number of households participating

**How much will it cost? \$25,000-\$50,000 in start-up costs**

**Funding source? Grants, user fees, and supplies sales**

**Initiative 32: Enact a township recycling ordinance**

**Category:** *Environment*

**Goal:** *Reduce solid waste disposal 40% by 2020, 80% by 2050*

**Target:** *90% of township households recycle 90% glass, metal, 1-7 plastics and mixed paper by 2020.*

**Scope:** *Township*

**Other Categories Affected:** *Engagement, Environment/Air Quality, Water Quality*

**Tasks:**

1. *Research other recycling ordinances in neighboring townships*
2. *Research all requirements for available recycling grants to include in ordinance*
3. *Coordinate ordinance requirements with the Chester County Recycling Coordinator and all County requirements.*
4. *Enact the ordinance*
5. *Educate all residents about recycling requirements through newsletter and website.*
6. *Educate all waste haulers about recycling requirements in West Vincent Township through bidding specifications and letters to private haulers*

**Results:** *90% of township households recycle 90% glass, metal, 1-7 plastics and mixed paper by 2020*

**Who will be responsible to see this happens?** *WVST, BoS, Township Manager*

**Who should do the work?** *Trash Taskforce, Township Manager, Solicitor, BoS*

**When does it need to be done to have an impact?** *2012*

**.How do we measure this?**

**Tasks:** *Ordinance is enacted*

**Target:** *Residents are actively placing recyclable materials in proper bins, King of Prussia Recyclery reports*

**How much will it cost?** *\$1,000-\$2,000 for ordinance*

**Funding source?** *Recycling grants*

**Initiative 33: Educate Township residents on recycling**

**Category:** Environment

**Goal:** Reduce Solid Waste Disposal 40% by 2020, 80% by 2050

**Target:** 90% of township households recycle 90% glass, metal, 1-7 plastics and mixed paper by 2020

**Scope:** Township

**Other Categories Affected:** Environment/Air Quality, energy and Engagement

**Tasks:**

1. Survey residents on current recycling habits. (One suggestion: Random survey approach based on observing presence of recycling bins vs trash bins on selected roads.)
2. Research and prepare materials for presentation
3. Schedule and advertise training sessions
4. Create recycling webpage
5. Feature recycling education and competition at annual township sustainability fair

**Results:** Residents increasingly recycle rather than dispose of recyclables in trash

**Who will be responsible to see this happens?** WVST, Township Manager

**Who should do the work?** WVST, Township staff, volunteers

**When does it need to happen to have an impact?** 2012

**How do we measure this?**

Survey and/or King of Prussia Recyclery data.

**How much will it cost?** Township staff time, \$200 for materials

**Funding Source?** Recycling grant, General Fund

**Initiative 34: Create and implement a municipal paper reduction plan**

**Category: Environment**

**Goal: Reduce solid waste disposal 40% by 2020, 80% by 2050**

**Target: Municipal use of disposable materials is reduced 75% by 2020**

**Scope: Township wide**

**Other Categories Affected: Energy**

**Tasks:**

1. Collect educational materials
2. Choose a township staff member to lead the municipal paper reduction effort
3. Update township records policy focusing on a comprehensive use of electronic media for mail and storage of documents.
4. Develop a sustained effort to collect resident email addresses to use for most communications, including newsletters
5. Create guidelines for township staff use of paper disposables, reuse of copies for note paper, duplex printing and copying, etc. When paper must be used, choose compostable and/or recycled.
6. Reduce junk mail using resources such as [catalogchoice.org](http://catalogchoice.org) and [dmachoice.org](http://dmachoice.org)
7. Assess results one year after implementation and adjust practices as needed to attain goal

**Result: Township staff uses 75% less paper, with a significant effect on solid waste flow from the township and significant reduction in costs for paper, file storage, copying costs, etc.**

**Who will be responsible to see this happens?** Township Manager, WVST, BoS

**Who should do the work?** Township staff, WVST

**When does it need to be done to have an impact?** 2013 and ongoing

**How do we measure this?**

**Target:** Paper, mail, and ink costs, volume or weight of paper refuse and recyclables

**How much will it cost?** Staff time, software updates up to \$10,000

**Funding source?** Grants, General Fund

**Initiative 35: Create and preserve continuous wildlife corridors throughout township**

**Category: Environment**

**Goal: Protect and enhance wildlife diversity**

**Target: Create and preserve continuous wildlife corridors throughout township**

**Scope: Township**

**Other Categories Affected: Environment/Air, Water**

**Tasks:**

1. Map township wildlife corridor, including unprotected links
2. Develop a resident education program to show landowners where the wildlife corridor is located on their parcel, how it fits into the township-wide/ region-wide network and how they can maintain and protect it
3. Work with Planning Commission and BoS to ensure that greenway corridors are maintained in the subdivision and land development process (adhere to ordinance requirements)
4. Work with local and regional land trusts to ensure that wildlife corridors are maintained in the conservation easement drafting process
5. Consider using open space funds to purchase corridor easements as necessary

**Results: Wildlife migration corridors are protected and extended**

**Who will be responsible to see this happens?** BOS, WVST, PC, and EAC

**Who should do the work?** Township staff: mapping; EAC: education program; easement purchase: Open Space Committee and BoS

**When does it need to be done to have an impact?** Mapping, ordinance review, and education program: 2013 and ongoing; easement purchasing 2013 and ongoing

**How do we measure this?**

**Tasks:** Aerial mapping of corridors, program created

**Target:** Missing links filled in and corridors protected

**How much will it cost?** Staff time, easement purchase at appraised value with open space funds as available

**Funding source?** State, county or foundation grants, partnership with land trust, General Fund, Open Space Fund

**Initiative 36 : Restore and enhance plantings of native species on Township-owned non-agricultural land**

**Category:** Environment

**Goal:** Protect and improve wildlife habitat

**Target:** Restore native habitat on all township owned non-agricultural land by 2020

**Scope:** Township-owned land

**Other Categories Affected:** Environment, Energy, Engagement

**Tasks**

1. Identify areas to be addressed
2. Create landscape plan
3. Secure funding and source for plants
4. Organize volunteers for plant removal and replanting
5. Remove alien species as needed
6. Replant with suitable attractive "showy" native species
7. Monitor and maintain plantings

**Results:** Attractive, species appropriate plantings at the three specified sites; beautiful natural landscaping at easily visible sites that will increase resident interest in native species, providing attractive teaching examples of the gardening possibilities, insect and animal habitat enhanced

**Who will be responsible to see this happens?** WVST, EAC, Township Manager

**Who should do the work?** EAC , WVST, landscape consultant (plan), Road Crew, Township groundskeeper, Volunteer Corps (installation)

**When does it need to be done to have an impact?** Plan 2012, Implementation 2020

**How do we measure this?**

**Target:** Acres planted in visually attractive natural gardens, smaller mowed areas, enhanced stream buffers

**How much will it cost?** \$15,000 or more on currently owned land plus staff time

**Funding source?** Plant registry, Tree-Vitalize, State, County, Foundation Grants; fundraising events, General Fund

**Initiative 38: Educate residents about Audubon Bird Town**

**Value Category: Environment**

**Goal: Protect and enhance wildlife diversity**

**Target: Residents are educated in wildlife-friendly practices**

**Scope:** Township property owners, HOAs

**Other Value Categories Affected:** Environment/Air and Water, Energy, and Engagement

**Tasks:**

1. Create a campaign goal with thermometer measurement for cheerleading participation
2. Write newsletter article about campaign and mail with Bird Town brochures
3. Email blast electronic version of article and brochure to township e-list
4. Promote continually with thermometer graphic on website homepage, sustainability page, at annual sustainability fair and in library display
5. Repeat newsletter promotion and email blast annually

**Results: At least 20% of township property owners take steps to steward and improve bird habitat on their properties**

**Who will be responsible to see this happens?** WVST, EAC

**Who should do the work?** WVST, EAC and Township staff

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Article and brochure written and distributed, display created and promotional information included on website

**Target:** Enrollment records

**How much will it cost?** Minimal staff time

**Funding source?** General Fund

**Initiative 39: Implement and expand sustainable demonstration landscape plan on township grounds**

**Category: Environment**

**Goal: Protect and enhance wildlife diversity**

**Target: Restore native habitat on all township owned non-agricultural land by 2020**

**Residents are educated about wildlife friendly practices**

**Scope: Township-owned land**

**Other Categories Affected: Environment/ Water and Air Quality, Energy, Engagement**

**Tasks**

1. Identify areas to be addressed
2. Use existing plan by EAC and prepare planting designs for additional areas
3. Secure funding for and secure plants and signage
4. Organize volunteers for plant removal and replanting
5. Remove alien species as needed
6. Install plants and signage
7. Monitor and maintain plantings

**Results: Attractive, species appropriate plantings at the three specified sites; beautiful natural landscaping at easily visible sites that will increase resident interest in native species, providing attractive teaching examples of the gardening possibilities**

**Who will be responsible to see this happens? WVST, EAC**

**Who should do the work? Volunteers led by knowledgeable gardeners, Twp staff**

**When does it need to be done to have an impact? 2012 and ongoing**

**How do we measure this?**

**Target: Number of participants, evidence of more butterflies and birds, etc.**

**How much will it cost? Up to \$5,000 incrementally**

**Funding source? Donations, Tree-Vitalize, grants, EAC annual budget**

**Initiative 40: Provide easy access to West Vincent Township Greenway Guide**

**Category:** *Environment*

**Goal:** *Protect and enhance wildlife diversity*

**Target:** *Educate residents about wildlife-friendly practices, such as mixed-species native perennial plantings, integrated pest management, minimal fertilizer use, etc.*

**Scope:** *Township*

**Other Categories Affected:** *All Environment, Energy, and Engagement*

**Tasks:**

1. *Put Greenway Guide on website with a link on every Sustainability Environment page*
2. *Make sure copies are available in library*
3. *Promote use of West Vincent Greenway Guide in newsletter*
4. *Feature at annual sustainability fair and Community Day*

**Results:** *Residents gradually become better informed about sustainable soil practices*

**Who will be responsible to see this happens?** *WVST, Township staff*

**Who should do the work?** *WVST, Township staff*

**When does it need to happen to have an impact?** *2012 and ongoing*

**How do we measure this?** *Number of participants in educational program, hits on webpage, survey*

**What will it cost?** *Staff time*

**Funding source?** *State, county, foundation grants, General Fund*

**Initiative 41: Develop a township-sponsored deer management program to reduce deer damage 50% by 2020**

**Category:** Environment

**Goal:** Manage wildlife overpopulation

**Target:** Harmful effects of deer overpopulation reduced 50% by 2020

**Scope:** Township

**Other Categories Affected:** Environment/ Water, Economy, Engagement, Energy

**Tasks:**

1. Design a deer management program for township and private lands based on the recommendations in the West Vincent Greenways Guide (pp. 81-82), including managed hunting and tree sheltering
2. Educate landowners including HOAs about costs and benefits of participation in the deer management program through website, newsletter and annual sustainability fair
3. Enroll landowners in the program
4. Collect property baseline photos
5. Survey participating property owners annually in newsletter and by email about deer damage and collect photos

**Results:** Sustainable deer population, with increase in native herbaceous plant diversity and quantity, enough tree seedlings to sustain forests, and reduction in invasive species

**Who will be responsible to see this happens?** WVST, Township Manager, BoS

**Who should do the work?** EAC, Police, Volunteer Corps, local hunters, property owners

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Target:** Property owner survey and photos

**How much will it cost?** Staff time, minimal materials as part of overall sustainability education program and fair

**Funding source?** Grant, General Fund, donations

**Initiative 42: Support “value-added” opportunities for farmers by investigating the feasibility of implementing various municipal projects, including but not limited to, certain sustainability initiatives, as farm business opportunities**

**Value Category: Economy**

**Goal: Provide for diverse appropriately scaled economic development**

**Target: Family farms remain economically viable**

**Scope: Township, Region**

**Other Value Categories Affected: Energy, Environment**

**Tasks:**

1. Create a checklist for township projects that evaluates appropriateness of using agricultural land, facilities, equipment, skills. etc.
2. Educate local farm community about available opportunities
3. When feasible, seek bids for services.

**Results: Family farming remains a viable business choice in West Vincent Township**

**Who will be responsible to see this happens? WVST, BoS, Township Manager**

**Who should do the work? Township Manager and BoS**

**When does it need to be done to have an impact? 2012 and ongoing**

**How do we measure this?**

**Tasks:** Checklist completed and in use

**Target:** Farmers make use of available township business opportunities

**How much will it cost? Minimal staff time**

**Funding source? General Fund**

**Initiative 43: Educate farmers about governmental programs that can generate additional income, with special emphasis on environmental remediation programs**

**Value Category: Economy**

**Goal: To provide for diverse, appropriately scaled economic development**

**Target: Family farms remain and/or become more economically viable**

**Scope: Township, Region**

**Other Value Categories Affected: Environment and Engagement**

**Tasks:**

1. Research programs and create database.
2. Develop outreach materials and delivery methods, e.g. calls, email, letters, meetings
3. Perform outreach activities
4. Maintain ongoing program (i.e. continue to update database, perform outreach, improve program.)

**Results: Farmers realize increased income to local farmers while enhancing farm environmental and conservation practices**

**Who will be responsible to see this happens? WVST, Township Manager**

**Who should do the work? WVST, Township staff**

**When does it need to be done to have an impact? 2012 and ongoing**

**How do we measure this?**

**Tasks:** Outreach program in place

**Target:** Farmers participating in programs

**How much will it cost? Minimal cost in staff and volunteer time**

**Funding source? Grants, General Fund**

**Initiative 44: Connect farmers to educational resources that promote agricultural business skills**

**Category: Economy**

**Goal: Provide for diverse appropriately scaled economic development**

**Target: Support and encourage family farming**

**Scope: Township, possibly regional**

**Other Categories Affected: Energy, Environment**

**Tasks:**

1. Become member of organizations providing farm business education, such as PASA, Chester Economic Development Council, and Southeastern Agricultural Partnership
2. Share information and resources from these organizations and others with local farmers
3. Investigate scholarship opportunities for farmers to attend pertinent conferences; consider developing small township scholarship fund to pay for farmers to attend

**Results: Local farmers have new tools to compete in the evolving agricultural marketplace**

**Who will be responsible to see this happens?** WVST, BoS, Township Manager

**Who should do the work?** Township staff

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Organizations joined and information forwarded as appropriate, funding opportunities reviewed and implemented.

**Target:** Local farmers taking advantage of programs available

**How much will it cost?** \$1500 per year: \$600 to \$1,000 for memberships, \$500 or more for scholarships.

**Funding source?** General Fund, nonprofit partnership

**Initiative 45: Create incentives for local businesses to use sustainable practices, including a branding program for participating businesses**

**Category: Economy**

**Goal: Provide for diverse, appropriately scaled economic development**

**Target: Businesses that choose to locate in the township become more sustainable in their day-to-day operations**

**Scope: Ludwigs Corner area**

**Other Categories Affected: Energy, Environment, Engagement**

**Tasks:**

1. Create a sustainable practices and building point system for local businesses and mixed use developments (see Haverford Township Sustainability Plan), including recycling, composting, electric charging stations, renewable energy, green roofs, preferential parking for hybrid vehicles, rain gardens, landscaping with natives and low-mow landscaping, etc.
2. Encourage local businesses to adopt green practices through a system of incentives, including branding them as, for example, Ludwigs Corner Green or West Vincent Green
3. Assist participating businesses in developing and implementing a marketing campaign for the brand, including submissions for environmental awards

**Results: Award-winning commercial area provides minimal environmental impact and is rewarded by consumers who want to patronize green businesses**

**Who will be responsible to see this happens?** WVST, BoS, Township Manager, Solicitor, Building Department

**Who should do the work?** WVST, PC, Solicitor, BoS, Business stakeholders

**When does it need to be done to have an impact?** 2013

**How do we measure this?**

**Tasks:** Incentives are adopted and in use, marketing plan created and implemented, businesses have signed on as Green District participants

**Target:** Ludwigs Corner is attractive, creates minimal impact to the environment and offers sustainable features at little or no cost to taxpayers

**How much will it cost?** Staff time

**Funding source?** Local businesses, General Fund

**Initiative 46: Create a Neighborhood Improvement District for the Ludwigs Corner commercial area to assume responsibility for some maintenance and operating functions.**

**Category: Economy**

**Goal: Provide for diverse, appropriately scaled economic development**

**Target: Encourage businesses that choose to locate in the township to become more sustainable in their day to day operations**

**Scope: Ludwigs Corner Area**

**Other Categories Affected: Energy, Environment, Engagement**

**Tasks:**

1. Research the functions of Neighborhood/ Business Improvement Districts in other communities and create a list of desired responsibilities.
2. Determine area boundaries.
3. Create a stakeholders group to provide consensus on shared responsibilities, such as maintenance of common open spaces, shared parking facilities and providing loop jitney transportation.
4. Draft and adopt ordinance for the establishment of a Business Improvement District that will perform functions similar to a Homeowners Association at Ludwigs Corner and P/LI districts, such as maintenance of common open spaces and amenities for use by the public.

**Results: The costs of amenities that draw customers to the commercial /mixed use area, such as shared parking areas, jitney transport, street furniture, green areas, are subsidized and shared by the retail community that benefits from them**

**Who will be responsible to see this happens?** WVST, BoS, Township Manager, Solicitor

**Who should do the work?** PC, BoS, Solicitor, Business stakeholders

**When does it need to be done to have an impact?** 2013-2015

**How do we measure this?**

**Tasks:** Ordinance provisions are adopted and in use

**Target:** Ludwigs Corner is attractive, creates minimal impact in the environment and offers sustainable features at little or no cost to taxpayers

**How much will it cost?** Staff time, \$5,000 in legal fees

**Funding source?** General Fund

**Initiative 47: Continue to remove barriers and provide incentives for home occupations in township ordinances**

**Category: Economy**

**Goal: provide for diverse, appropriately scaled economic development**

**Target: Home occupations are encouraged and supported**

**Scope: Township**

**Other Categories Affected: Environment/Air and Energy**

**Tasks:**

1. *Include questions in sustainability baseline about needs and concerns of those engaged in home occupations to determine what changes should be made to township ordinances and codes*
2. *Make necessary revisions and adopt*
3. *Periodically review and update ordinances to insure that barriers are not erected for home occupations and where possible, incentives for same are incorporated*

**Results: Township supports larger trend of telecommuting; more residents will work at home reducing car commuting, strengthening resident ties to the community and keeping service dollars in area ( lunches out, office support services, etc.)**

**Who will be responsible to see this happens?** *Township Manager, Planning Commission, BoS*

**Who should do the work?** *Township Manager, Planning Commission, BoS*

**When does it need to be done to have an impact?** *2012 and ongoing*

**How do we measure this?**

**Target:** *Follow-up surveys, US Census, Chester County survey, DVRPC data, school district data)*

**How much will it cost?** *Minimal, should be incorporated into general reviews*

**Funding source?** *General Fund*

**Initiative 48: Continue land conservation program using multiple approaches**

**Category: Economy**

**Goal: Provide for diverse, appropriately scaled economic development.**

**Target: Thirty-five to 40 % of arable and natural land in township is permanently conserved.**

**Scope: Township**

**Other Categories Affected: All Environment Categories and Energy**

**Tasks:**

1. Continue to use established Open Space process to purchase development rights.
2. Partner with land trusts on bargain sales of easements and defraying easement costs for easement donors.
3. Pursue municipal conservation easement grants with county and state to leverage diminishing township open space funds.
4. Transfer monitoring responsibility of properties that have sold development rights to the township to an independent land conservancy.
5. Inform HOAs of their obligation to ease the open space they own.
6. Float another bond using EIT when current bond is repaid.

**Results: Open space conservation goals is met or exceeded.**

**Who will be responsible to see this happens?** BoS, Open Space Committee, Township Manager

**Who should do the work?** BoS, Open Space Committee, Township Manager, and Solicitor

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Target:** Number of acres conserved

**How much will it cost?** Several million dollars

**Funding source?** EIT, impact fees and fees in lieu, grants

**Initiative 49: Create an innovation incubator program**

**Category: Economy**

**Goal: Provide for diverse, appropriately scaled economic development.**

**Target: All**

**Scope: Township**

**Other Categories Affected: All**

**Tasks:**

1. Create subcommittee to establish program
2. Outline program goals and details
3. Reach out to appropriate institutions for participation
4. Refine program with academic partners
5. Implement and program
6. Promote and market sustainability innovations stemming from program

**Results: West Vincent benefits from and is synonymous with sustainability innovations**

**Who will be responsible to see this happens? WVST**

**Who should do the work? WVST subcommittee**

**When does it need to be done to have an impact? 2014 and ongoing**

**How do we measure this?**

**Target:** Establishment of program and ongoing participation by fellows and/or students

**How much will it cost?** Possibly \$40,000 per annum for stipends, prizes

**Funding source?** Donations, grants, innovations marketing

**Initiative 50: Provide mechanisms to provide moderately priced housing while keeping township character**

**Category: Equity**

**Goal: Make community benefits that accrue from prosperity available to all**

**Target: 10 to 15% of housing in the township meets township affordability definition by 2020**

**Scope: Township**

**Other Categories Affected: Economy**

**Tasks:**

1. During ordinance reviews, include incentives and remove obstacles as appropriate for housing that has characteristics that make it more affordable to moderate income earners (house size, lot size, condominium, location, etc.) while retaining as much as possible the existing character of the township and avoiding the clustering of such housing in a single neighborhood or district.
2. Assess the success of Task 1 in reaching the target in 2015.
3. If target is unmet, consider other approaches including county, regional, township, or community land trust programs that offer reduced price housing to qualified buyers subjective to restrictive covenants or other mechanisms that control prices (see Sustainability Plan Appendix D examples)

**Result: At least 10% of township housing that is affordable to moderate middle- income people of varying demographics is integrated seamlessly into township neighborhoods**

**Who will be responsible to see this happens?** BoS, Planning Commission

**Who should do the work?** Planning Commission, Township Manager, BoS, Solicitor

**When does it need to be done to have an impact?** 2012 and ongoing for ordinance revisions, 2020 for other housing programs

**How do we measure this?**

**Target:** Transfer taxes, sales prices, assessments

**How much will it cost?** Staff and solicitor time as with any ordinance amendment for ordinance revisions; price control program costs to be determined

**Funding source?** General Fund, government grants, developers

**Initiative 51: Work with local non-profits to continue to build a publicly accessible, formally protected township-wide trail system that connects to the regional network**

**Category: Equity**

**Goal: Make community benefits that accrue from prosperity available to all**

**Target: Accessible active and passive recreation opportunities are available township wide**

**Scope: Township with regional connections**

**Other Categories Affected: Energy, Environment, Engagement, and Economy**

**Tasks:**

1. Identify missing links
2. Secure missing links through easement or fee purchase, that is, negotiate with landowners, get appraisal to establish value, draft acquisition documents, procure funding, complete purchase
3. If necessary, clear trail and blaze; pave selected links if desired
4. Develop maintenance plan
5. Add to township trail map

**Results. Increased sense of community as residents enjoying healthy exercise come in contact with natural environment and have random interaction with other community members.**

**Who will be responsible to see this happens?** BoS, Township Manager, EAC, Land Trusts

**Who should do the work?**

EAC, Land Trusts, BoS, Volunteers Corps for clearing, blazing and maintenance of natural surface trails

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Target:** Nearby access to township trail system for all township residents

**How much will it cost?**

1. Trail easements: from \$5/ft. for larger properties to \$30/ft. for 2 to 3 acre properties
2. Cost of paving if and where desired (more likely to be part of land development plan and paid for by developer)
3. Cost of liability insurance for volunteers if necessary

**Funding source?** Foundation and County grants, Open Space Funds, developers

**Initiative 52: Add non-field all-season active recreation to park and recreation planning**

**Category: Equity**

**Goal: Make community benefits that accrue from prosperity available to all**

**Target: Accessible active and passive recreation opportunities are available township wide**

**Scope: Township**

**Other Categories Affected: Engagement**

**Tasks:**

1. Getting resident input, create a master list of possible activities, e.g. sledding, skating, cross-country skiing, fishing, court sports
2. Match sports to features of available facilities, e.g. hill for sledding, pond for skating, flat space for courts
3. Determine costs of accommodating activities
4. Choose sports to be accommodated and implement

**Results: Township residents enjoy safe public facilities for a wider variety of activities**

**Who will be responsible to see this happens?** BoS, Park and Recreation Committee, Planning Commission

**Who should do the work?** Township staff, Park and Recreation Committee

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Plan created and implemented

**Target:** Different recreational activities are available to all residents

**How much will it cost?** Staff time, facilities dependent on sport

**Funding source?** Grants, developer fees in lieu, impact fees

**Initiative 53: Create policy and procedures for use of public and private trails**

**Category: Equity**

**Goal: Make community benefits that accrue from prosperity available to all**

**Target: Accessible active and passive recreation opportunities are available township wide**

**Scope: Township**

**Other Categories Affected: Engagement**

**Tasks:**

1. Create map and use rules of public trails for distribution to public
2. Create private trail pass program, consisting of registry of willing private owners, an online application process for resident users, rules of use and trail passes for approved users

**Results: Township residents are fully informed about available trails and educated about their proper use.**

**Who will be responsible to see this happens?** BoS, EAC, Township Manager

**Who should do the work?** Township staff

**When does it need to be done to have an impact?** 2013 and ongoing

**How do we measure this?**

**Tasks:** Maps created, trail pass program devised and online

**Target:** Maps distributed, trail passes issued

**How much will it cost?** Staff time, \$500 for map printing

**Funding source?** General Fund

**Initiative 54: Provide public space for assembly and social engagement as appropriate throughout township**

**Category: Engagement**

**Goal: Build a sense of place, community connection, & civic engagement**

**Target: A network of appealing public spaces is established in Ludwigs Corner & other neighborhoods**

**Scope: Township**

**Other Categories Affected: Equity**

**Tasks:**

1. Inventory types of public space available and needed in the township. (HOA-owned spaces do not meet the definition.) Such spaces could include commons, parks and greenways, plazas, amphitheaters, band shells, squares, pedestrian ways, parking lots, etc.
2. Create appropriate ordinance language and mapping for desired public spaces/facilities. Use official map as necessary or appropriate
3. Require/request these features as appropriate during plan review
4. If necessary, educate residents about available public spaces and their use rights and restrictions

**Results: Residents have ample public facilities for assembly and social engagement**

**Who will be responsible to see this happens?** Planning Commission, BoS, Township Manager

**Who should do the work?** Planning Commission, BoS

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Inventory, mapping, and ordinance amendments completed

**Target:** Number and types of facilities, square footage, acreage

**How much will it cost?** Staff time, Solicitor review \$2,000.

**Funding source?** Since facilities will be installed for the most part by developers, installation should not cost the township, although maintenance will become a public responsibility and cost, likely to lead over time to the expansion of the public works department.

**Initiative 55: Develop a public arts program at Ludwigs Corner that promotes walkability and engagement through participation**

**Category:** Engagement

**Goal:** Build a sense of place, community connection and civic engagement

**Target:** A network of appealing public spaces is established in Ludwigs Corner and other neighborhoods

**Scope:** Ludwig's Corner Master Plan area

**Other Categories Affected:** Environment, Energy, and Equity

**Tasks:**

1. Organize a public art committee including local artists and teachers
2. In consultation with township and local businesses, evaluate potential locations for displays
3. Create plan for projects geared to different ages and levels of skill suitable for available locations, e.g. painted planters, Ludwigs Village Green logo, signage
4. Promote program and seek submissions

**Results:** Collaborative public arts projects encourages pride in community and promote walking

**Who will be responsible to see this happens?** WVST

**Who should do the work?** Public Arts Committee, Township staff

**When does it need to be done to have an impact?** 2015

**How do we measure this?**

**Tasks:** Committee formed and program online

**Target:** Program participation, resident comments

**How much will it cost?** Staff time

**Funding source?** Donations, grants

**Initiative 56: Create and implement an annual township events calendar**

**Category: Engagement**

**Goal: Build a sense of place, community connection, and civic engagement**

**Target: A tradition is established of recurring free and low-cost community events that connect residents to West Vincent's distinctive sense of place, history, and culture**

**Scope: Township**

**Other Categories Affected: Energy, Environment, Economy, and Equity**

**Tasks:**

1. Compile event ideas from various sources, including WVST, EAC, Park and Rec, parents and sports organizations
2. Set criteria and evaluate event ideas: audience (have events for all ages and constituencies), personnel needed, uniqueness, need, possible partners, costs, fundraising capability, etc.
3. Create an annual calendar of at least 6 recreational events, including Community Day. Movie nights, concert series, 5K run, township yard sale, battle of the bands are possibilities. Consider using one or more events as a fundraiser for a sustainability project.
4. Incorporate educational meetings and events arising from other initiatives, e.g. a local farm tour.
5. Organize event committees for each event. Depending on willingness and capacity, one committee could be responsible for multiple events.
6. Create a promotional plan that covers as many events as possible to keep costs low.

**Results: Over time, a sense of community grows among residents of all ages. Residents enjoy entertainment and educational programs at no or little cost.**

**Who will be responsible to see this happens?** BOS, Township Manager, WVST

**Who should do the work?** Township staff, WVST, EAC, Park and Rec, Event Committees and Volunteer Corps

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Events evaluated, chosen and scheduled, committees created, events held

**Target:** Positive survey responses, event participation

**How much will it cost?** Staff time plus cost of events and promotion: \$12,000 for Community Day, down to \$100 or less for educational events. Costs to township depend on fundraising, but township should include an annual budget number of at least \$10,000.

**Funding source?** Donations, General Fund, grants

**Initiative 57: Create and implement a multimedia township communications plan**

**Category: Engagement**

**Goal: Build a sense of place, community connection, and civic engagement**

**Target: Local government outreach to residents is enhanced through social events, neighborhood meetings, school programs, etc.**

**Scope: Township**

**Other Categories Affected: Equity**

**Tasks:**

1. Organize taskforce including residents well-versed in social media
2. Assess current communications available from township, including website, newsletter, and Facebook
3. Address the following needs: monthly e-newsletter, a news-filled township homepage, township blog, township Twitter accounts, enhanced use of FaceBook, and distribution of information electronically and at library and local businesses
4. Create plan including individual responsibilities and tasks
5. Implement

**Results: Over time, residents feel they are informed by township on regular basis. Township information seems readily available, sense of community grows among residents of all ages.**

**Who will be responsible to see this happens?** BoS, Township Manager, WVST

**Who should do the work?** Township staff, BoS, volunteer communications taskforce

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Plan created, new communication features on line, improvements made to existing communications

**Target:** Meeting attendance, positive responses on survey, township email list and Facebook friends

**How much will it cost?** Staff time plus cost of accounts and printing: \$2,000 plus annually

**Funding source?** General Fund

**Initiative 58: Create a township civics education program**

**Category: Engagement**

**Goal: Build a sense of place, community connection, and civic engagement**

**Target: Outreach by government to residents is enhanced through social events, neighborhood meetings, school programs, etc.**

**Scope: Township**

**Other Categories Affected: Equity**

**Tasks:**

1. Choose specific audiences, for example, school children and new residents, to receive information.
2. Determine method of education for each audience. School children could be reached annually at an assembly at West Vincent Elementary School, new residents through an annual public meeting (called, for example, "West Vincent 101"). Arrange for a display of pertinent materials at Henrietta Hankin Library.
3. Create program content for each situation. Include a short film, slides, and website page.
4. Schedule events and implement program.

**Results: Citizens are more informed about township processes, goals, and personnel and more able to exercise critical judgment and participate**

**Who will be responsible to see this happens?** WVST, BoS, Township Manager

**Who should do the work?** Township Manager and staff, BoS, solicitor

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Program implemented

**Target:** More attendance at township meetings, more volunteers, more voters in municipal elections

**How much will it cost?** Staff time plus cost of materials: with film up to \$5,000.

**Funding source?** Grant, General Fund

**Initiative 59: Create and maintain a township volunteer corps**

**Category: Engagement**

**Goal: Build a sense of place, community connection, and civic engagement**

**Target: A tradition is established of recurring free & low-cost community events that connect residents to WVT's distinctive sense of place, history & culture**

**Local government outreach is enhanced through social events, neighborhood meetings, school programs, etc.**

**Scope: Township**

**Other Categories Affected: Economy, Environment, Equity, and Engagement**

**Tasks:**

1. Create volunteer oversight committee
2. Create schedule of projects requiring volunteers on annual or semi-annual basis
3. Advertise need for volunteers on township website and in each edition of newsletter
4. Create database of volunteers
5. Draft protocols for advance notice, use of children, rewards (e.g. refreshments, t-shirts), recognition (newsletter listing, annual thank you party, etc.)

**Results: Group of volunteers is organized to participate in the implementation of sustainability initiatives, such as invasive removal, forestation, trail clearing and blazing, recycling, sustainability education, event planning, etc.**

**Who will be responsible to see this happens?** WVST, Township Manager

**Who should do the work?** WVST, Township Secretary

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Target:** Number of volunteers available as needed for sustainability projects

**How much will it cost?** \$100-\$500 per annum

**Funding source?** General Fund

**Initiative 60: Establish a township welcome wagon**

**Category: Engagement**

**Goal: Build a sense of place, community connection, and civic engagement**

**Target: Local government outreach to residents is enhanced through social events, neighborhood meetings, school programs, etc.**

**Scope: Township**

**Other Categories Affected: Environment and Economy**

**Tasks:**

1. Organize a volunteer Welcome Wagon Committee
2. Committee members draft a users' guide to West Vincent and assemble other materials to distribute to newcomers. Guide could be funded by local business ads.
3. Using property transfer information from township, committee volunteers visit newcomers to welcome them as they move into the area.

**Results: New residents are welcomed, more informed about their new township, and more quickly integrated into the social and civic life of the community.**

**Who will be responsible to see this happens? WVST**

**Who should do the work? WVST, Welcome Wagon Committee, Township staff**

**When does it need to be done to have an impact? 2012 and ongoing**

**How do we measure this?**

**Tasks:** Committee in place and materials created

**Target:** More participation by newcomers in community events and township government, could be measured by use of sign-in sheets and registrations

**How much will it cost? Nominal staff time, \$500 a year for materials.**

**Funding source? Business ads**

**Initiative 61: Recognize resident volunteer contributions at annual events**

**Category:** Engagement

**Goal:** Build a sense of place, community connection, and civic engagement

**Target:** Local government outreach is enhanced through social events, neighborhood meetings, school programs, etc.

**Scope:** Township

**Other Categories Affected:** Equity

**Tasks:**

1. Choose one BoS meeting to serve as Volunteer Recognition Day and one to recognize Emergency Services Volunteers (or First Responders) Recognition Day
2. For each, create slide or video presentation highlighting volunteer achievements
3. Pass proclamation recognizing contributions of all volunteers by name
4. Begin or close meeting with social and refreshments

**Results:** Township volunteers are thanked for their important community efforts, enhancing their connection to the community.

**Who will be responsible to see this happens?** BoS, Township Manager

**Who should do the work?** Township Manager and staff, BoS

**When does it need to be done to have an impact?** 2012 and ongoing

**How do we measure this?**

**Tasks:** Meetings scheduled and planned

**Target:** More community cohesion, positive feelings in those who give their time, greater community awareness of volunteer efforts and opportunities

**How much will it cost?** Staff time plus cost of food: \$250 per meeting

**Funding source?** General Fund

## Appendix B

### 2012 Work Plan

The Sustainability Committee reviewed the tasks, completion dates, and impact scores of 61 initiatives and recommended action on the following initiatives in 2012.

	<b>Initiative</b>	<b>Impact Score</b>	<b>Action Needed</b>
1	Perform energy audit on all township facilities and implement recommendations	576.75	Ask manager and BoS to review existing audit and supplement
2	Create and implement Alternative Energy Plan for township facilities	569.1	Research sources, types, financing, etc. Create plan draft
4	Create a sustainable energy education and outreach program	598	Create education subcommittee to collect materials for website and sustainability fair
6	Revise township ordinances and building codes to include incentives for, remove obstacles to, and add regulations for green building practices, including alternative energy generation and energy conservation	613.75	Using Rocky Mountain Institute Sustainable Code as starting point, WVSC to review ordinance and supply recommendations to Planning Commission
8	Map township forests and establish forest preservation and reforestation program to protect watershed, with an emphasis on riparian buffers	531	Review ordinance for possible improvements to recommend to Planning Commission; provide education about riparian forestation on website and at sustainability fair
13	Provide water warnings to residents during flood events	368.26	Work with Township Manager to implement on website, with email blasts and signage

	<b>Initiative</b>	<b>Impact Score</b>	<b>Action Needed</b>
14	Revise township ordinances and building codes to include incentives for, remove obstacles to, and add regulations for green building practices, including green roofs, rain gardens, constructed wetlands, and other water quality practices	625.08	Using Rocky Mountain Institute Sustainable Code as starting point, WVSC to review ordinance and supply recommendations to Planning Commission
15	Educate township staff and residents about their role in water quality protection and water conservation	480.57	Create education subcommittee to collect materials for website and sustainability fair
16	Reduce use of gasoline-powered mowing in township	496.21	Create education subcommittee to collect materials for website and sustainability fair
17	Convert gas-powered police car fleet to hybrid or electric	573.13	Give initiative to Police Chief and Township Manager
19	Create and implement township multi-modal transportation plan	483.2	Kate and Clare to apply for county grant
22	Enhance the walkable environment inherent in the Ludwig's Corner Master Plan	501	Give initiative to Planning Commission
24	Educate drivers re: Share the Road with cyclists and vice versa	521.4	Create education subcommittee to collect materials for website and sustainability fair
26	Promote DVRPC's Share a Ride carpooling program	537.8	Create education subcommittee to collect materials for website and sustainability fair
27	Establish a phased program of best soils agricultural practices on all township-owned land	559.2	Give to initiative to BoS and Township Manager

	<b>Initiative</b>	<b>Impact Score</b>	<b>Action Needed</b>
28	Educate residents in soil conservation practices	463.5	Create education subcommittee to collect materials for website and sustainability fair
29	Create a viable facility for community composting	514.5	Include in Trash Taskforce portfolio
30	Educate township staff and residents on benefits of yard waste and kitchen waste composting	562.4	Create education subcommittee to collect materials for website and sustainability fair
31	Develop and promote a Source Separated Organic Material Composting program	502.9	Include in Trash Taskforce portfolio
32	Enact township ordinance on recycling	615.46	Include in Trash Taskforce portfolio
33	Educate township residents on recycling	577.6	Create education subcommittee to collect materials for website and sustainability fair
36	Restore habitat on township-owned property	501	Work with EAC to develop plan
37	Create township native plant registry	504.07	Create education subcommittee to collect materials for website and sustainability fair
38	Promote Bird Town to township property owners and enroll 20% in program by 2020	615.7	Work with manager, EAC and education subcommittee
39	Implement and expand sustainable demonstration landscape plan on township grounds	551.9	Work with EAC to implement plan
40	Promote West Vincent Greenway Stewardship Guide	573.36	Work with manager
41	Develop a township-sponsored deer management program to reduce deer damage 50% by 2020	513	Review existing policy and provide suggestions for expansion to manager and BoS

	<b>Initiative</b>	<b>Impact Score</b>	<b>Action Needed</b>
42	Support “value-added” opportunities for farmers by investigating the feasibility of implementing various municipal projects, including but not limited to, certain sustainability initiatives, as farm business opportunities	507.88	Give initiative to Township Manager and BoS
43	Educate farmers about governmental programs that can generate additional income, with special emphasis on environmental remediation programs	514.29	Research opportunities in 2012 Farm Bill when passed. Get information from NRCS
45	Create incentives for local businesses to use sustainable practices, including a branding program for participating businesses	566.33	Review other township green codes
47	Continue to remove barriers and provide incentives in ordinances to support home occupations	557.88	Give initiative to Planning Commission
48	Continue land conservation program using multiple approaches	607.25	Give initiative to Township Manager
50	Provide mechanisms to provide moderately priced housing while keeping township character	464.25	Give initiative to Planning Commission
51	Work with local non-profits to continue to build a publicly accessible, formally protected township-wide trail system that connects to the regional network	620.5	Provide initiative to EAC

	<b>Initiative</b>	<b>Impact Score</b>	<b>Action Needed</b>
52	Add non-field all-season active recreation to park and recreation planning	435.56	Give initiative to Park and Recreation Committee and Township Manager
53	Create policy and procedures for use of public and private trails	485.79	Give initiative to EAC
54	Provide public space for assembly and social engagement as appropriate throughout township	474.81	Give initiative to Planning Commission
56	Create and implement an annual township events calendar	527.22	Create events subcommittee to work with education subcommittee, Park and Recreation Committee and township Manager
57	Create and implement a multi-media township communications plan	504.27	Create a communications subcommittee to work with the education subcommittee, Township Manager, and BoS
59	Create and maintain a township volunteer corps	530.55	Create subcommittee to work on strategy to draft volunteers
60	Establish a township welcome wagon	476.09	Create subcommittee to work with other township committees (EAC and Parks and Recreation) and Township staff
61	Recognize resident contributions at annual event	518.22	Events subcommittee to work with Township staff and BoS

### 2012 Initiative Action Calendar

	Jan	Feb	Mar	Apr	May	Jun
<b>Initiative</b>		16, <b>22</b> , 29, 31, 32, 47, <b>48</b> , 50, <b>51</b> , 53, <b>54</b>	<b>19</b> , 56	13, 16, 17, 26, 37, 38, <b>39</b> , 59	1, 57	6, 8, 14, 24, 41
	Jul	Aug	Sep	Oct	Nov	Dec
<b>Initiative</b>	42, 43	36	4, 8, 15, 28, 30, 33	60	61	2, 45