

# **FAIRFAX COUNTY, VIRGINIA**

## **Environmental Improvement Program (EIP)**

### **Section B: Board of Supervisors' Environmental Agenda: Summary of Objectives and Supporting EIP Actions**

**Fiscal Year 2013**

**Prepared September 2011**

# Board of Supervisors' Environmental Agenda: Summary of Objectives and Supporting EIP Actions

**General:** GL07-08(B); GL08-02(AB); GL08-05(B); GL08-06(B); GL08-11(B)GL08-11(A); GL09-01(B); GL09-05(C); ES09-09(B)

## **I. GROWTH AND LAND USE**

1. Use clustering and mixed-use development when appropriate to utilize space efficiently and provide perpetual open space. GL07-01(retired); GL07-02(A); GL07-03(B); GL07-04(B); GL07-05 (retired); GL07-09(B); GL08-01(B); GL08-03(retired); GL08-04(retired); GL08-13(B); GL12-01(C); AQ07-20(B); AQ10-01(B)
2. Promote walkable communities using mixed-use development and village-style neighborhoods. GL07-02(A); GL07-03(B); GL07-05 (retired); GL07-06(B); GL07-09(B); GL08-01(B); GL08-03(retired); GL08-04(retired); GL08-13(B); GL12-01(C)
3. Maximize mixed-use development near transit stops and expand public transportation to employment centers. Provide convenient transportation choices such as subway, light rail, commuter bus, connector bus, and monorail. GL07-02(A); GL07-03(B); GL07-05 (retired); GL07-09(B); GL08-01(B); GL08-03(retired); GL08-04(retired); GL08-13(B); GL12-01(C); AQ07-01(A); AQ07-20(B); AQ10-01(B)
4. Make employment centers, such as Tyson's Corner, self-contained vibrant places to live and work by ensuring mixed-use, pedestrian friendly, transit-oriented development. GL07-02(A); GL07-03(B); GL07-05 (retired); GL07-09(B); GL08-01(B); GL08-03(retired); GL08-04(retired); GL08-13(B); GL12-01(C); AQ07-10(B)
5. Encourage the use of low impact development concepts and techniques, especially in new residential and commercial areas, and seek opportunities for retrofitting established areas. GL08-01(B); GL12-01(C); WQ07-01(A); WQ08-03(B); WQ07-02(B); WQ08-04(B); WQ07-08(B); WQ07-10(B); WQ08-07(B); WQ07-11(B); WQ07-12(C); ES10-13(C); ES10-15(C)
6. Pursue state enabling legislation to ensure adequate infrastructure is in place for new developments and to provide more flexibility to ensure harmonious and compatible development. Work toward ensuring that new and renovated homes are compatible with established neighborhoods. GL07-07(B); GL07-10(B)

7. Use our land and other resources wisely by
  - concentrating employment and multi-family housing near transit services (and by expanding those transit services);
  - integrating pedestrian-oriented neighborhood commerce (markets, restaurants, services) into new residential neighborhoods;
  - providing pedestrian amenities whenever possible, such as sidewalks and trails; traffic calming; street furniture in shopping areas; transit shelters; and urban building design;
  - providing parking incentives for carpoolers; encourage transit use by reducing the use of parking subsidies where appropriate.  
[GL07-02\(A\)](#); [GL07-03\(B\)](#); [GL07-05 \(retired\)](#); [GL07-06\(B\)](#); [GL07-09\(B\)](#); [GL08-01\(B\)](#); [GL08-03\(retired\)](#); [GL08-04\(retired\)](#); [GL08-13\(B\)](#); [GL12-01\(C\)](#); [AQ07-02\(B\)](#); [AQ07-03\(B\)](#); [AQ07-04\(B\)](#); [AQ07-05\(B\)](#); [AQ07-06\(retired\)](#); [AQ07-10\(B\)](#); [AQ07-20\(B\)](#); [AQ10-01\(B\)](#); [PT07-03\(B\)](#); [PT07-06\(B\)](#); [PT07-07\(B\)](#)
  
8. Increase tree conservation in land development by:
  - ensuring that all tree preservation commitments for development projects are honored;
  - optimizing tree preservation and planting efforts associated with by-right development
  - pursuing state enabling legislation for more stringent tree conservation measures;
  - optimizing tree preservation and planting efforts in design and construction of public facilities  
[GL08-07\(retired\)](#); [GL08-08\(retired\)](#); [GL08-09\(retired\)](#); [GL08-10\(retired\)](#); [GL08-12\(B\)](#); [GL09-02\(C\)](#); [GL09-03\(C\)](#); [GL09-04\(B\)](#)

# **Board of Supervisors' Environmental Agenda: Summary of Objectives and Supporting EIP Actions (continued)**

## **II. AIR QUALITY AND TRANSPORTATION**

General: GL08-07(retired); GL08-08(retired); GL08-09(retired); GL08-10(retired); GL08-12(B); GL12-01(C); AQ-A-1(retired); AQ-A-3(retired); AQ07-09(B); AQ07-13(A); AQ07-15(B); AQ07-21(retired); AQ08-04(B); AQ09-01(B); AQ09-02(B); AQ10-02(B); AQ10-03(C); AQ11-01(B); AQ11-02(B); ES09-01(retired); ES09-02(retired); ES09-03(retired); ES09-04(A); ES09-05(retired); ES10-12(A); ES09-11(A); ES09-18(A); ES11-01(retired); ES11-02(retired); ES11-03(A); ES11-06(A); ES08-10(B); ES09-06(B); ES09-08(B); ES09-10(B); ES09-12(B); ES09-13(B); ES09-14(B); ES10-09(B); ES11-04(B); ES11-05(B); ES11-07(B); ES11-09(B); ES11-10(B); ES11-11(B); ES11-13(B); ES11-14(B); ES08-09(C); ES08-11(C); ES09-15(C); ES09-16(C); ES09-17(C); ES10-08(C); ES10-10(C); ES10-11(C); ES10-14(C); ES12-01(C)

1. Improve pedestrian mobility, encourage shorter trips, increase public transit use, and enhance the economic viability of public transit and reduced vehicle use.
  - Provide station access by foot, bicycle and public transit, with adequate public parking.
  - Coordinate public transit service to facilitate intermodal transfers, including convenient and safe bicycle access to public transit and secure bicycle storage in public places and stations. Where practicable, give parking preference to multiple-occupancy vehicles over single-occupancy vehicles.
  - Encourage buses and trucks to avoid idling for extended periods. GL08-01(B); GL08-03(retired); GL08-13(B); AQ07-01-(A); AQ07-02(B); AQ07-03(B); AQ07-04(B); AQ07-05(B); AQ07-06(retired); AQ07-07(B); AQ07-08(B); AQ07-10(B); AQ07-14(B); AQ07-17(retired); AQ07-18(B); AQ07-19(retired); AQ07-20(B); AQ08-02(retired); AQ09-03(A); AQ10-01(B); SW07-02(retired); PT07-03(B); PT07-06(B); PT07-07(B)
2. Continue to promote telecommuting in order to reach the regional goal of 20 percent of eligible commuters by 2005, transit use, and car-pooling to reduce congestion and improve air quality with high visibility public campaigns and cooperation by businesses. GL08-03(retired); GL08-13(B); AQ07-02(B), AQ07-03(B), AQ07-09(B), AQ07-12(retired), AQ07-14(B), AQ08-06(B)
3. Complete the rail extension to Tyson's Corner and Dulles International Airport; pursue light rail and transit options on U. S. 1. AQ07-08(B); AQ07-10(B)

4. Work with the Metropolitan Council of Governments to develop actions to combat pollution coming from other areas such as the Ohio Valley and the East Coast. [WQ-08-15\(B\)](#); [AQ07-13\(A\)](#); [AQ07-14\(B\)](#); [AQ07-16\(B\)](#); [AQ10-02\(B\)](#); [AQ10-03\(C\)](#)
5. Continue to encourage federal officials to increase fuel economy and emissions standards for cars and light trucks. [AQ07-22\(C\)](#)
6. Explore alternatives to diesel fuel in the County Fleet. [AQ07-11\(B\)](#); [AQ07-23\(B\)](#)
7. Improve air quality through tree conservation policies and practices that: Preserve and plant trees to support air quality improvement and minimize climate change; [ES08-01\(B\)](#); [ES08-04\(B\)](#); [ES08-10\(B\)](#); [ES08-09\(C\)](#); [ES08-11\(C\)](#); [ES10-15\(C\)](#)
  - Incorporate tree preservation and planting into air quality planning efforts. [GL08-03\(retired\)](#); [GL08-07\(retired\)](#); [GL08-08\(retired\)](#); [GL08-09\(retired\)](#); [GL08-10\(retired\)](#); [GL08-12\(B\)](#); [GL09-02\(C\)](#); [GL09-03\(C\)](#); [GL09-04\(B\)](#); [AQ08-01\(A\)](#); [AQ08-05\(B\)](#)

# **Board of Supervisors' Environmental Agenda: Summary of Objectives and Supporting EIP Actions (continued)**

## **III. WATER QUALITY**

General: [GL08-07\(retired\)](#); [GL08-08\(retired\)](#); [GL08-09\(retired\)](#); [GL08-10\(retired\)](#); [GL08-12\(B\)](#); [AQ08-05\(B\)](#); [SW08-2\(B\)](#); [ES10-03\(B\)](#)

1. Protect those streams whose waters are still of relatively high quality from becoming impaired with pollutants. Protection and prevention are less expensive and easier than restoration. [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ08-04\(B\)](#); [WQ07-09\(B\)](#); [WQ07-10\(B\)](#); [WQ08-06\(B\)](#); [WQ08-07\(B\)](#); [WQ07-11\(B\)](#); [WQ07-12\(C\)](#); [WQ10-01\(C\)](#); [PT08-5\(C\)](#); [ES07-01\(retired\)](#); [ES07-02\(B\)](#); [ES07-10\(B\)](#); [ES08-01\(B\)](#); [ES08-02\(B\)](#); [ES08-03\(B\)](#); [ES08-04\(B\)](#); [ES08-05\(B\)](#); [ES08-10\(B\)](#); [ES08-07\(C\)](#); [ES08-09\(C\)](#); [ES08-11\(C\)](#); [ES10-13\(C\)](#); [ES10-15\(C\)](#)
2. Consider watershed protection when reviewing and deciding all land use actions. [GL07-08\(B\)](#); [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ08-04\(B\)](#); [WQ07-08\(B\)](#); [WQ07-10\(B\)](#); [WQ07-11\(B\)](#); [WQ07-12\(C\)](#); [WQ10-01\(C\)](#); [PT08-5\(C\)](#)
3. Implement the new Watershed Management Plans and Stream Protection Strategies as they are created. Pursue a dedicated source of funding for this effort. Without some ongoing budget commitment, this effort will languish. [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ08-04\(B\)](#); [WQ07-03\(B\)](#); [WQ07-04\(retired\)](#); [WQ07-10\(B\)](#); [WQ08-06\(B\)](#); [WQ08-07\(B\)](#); [WQ07-11\(B\)](#); [WQ10-01\(C\)](#); [PT08-5\(C\)](#); [ES07-02\(B\)](#); [ES07-10\(B\)](#); [ES08-01\(B\)](#); [ES08-03\(B\)](#); [ES08-04\(B\)](#); [ES10-13\(C\)](#)
4. Grant no BMP waivers without storm water mitigation being in place or constructed. [WQ08-07\(B\)](#)
5. Allow and encourage better site design practices that protect our streams and other natural resources. [GL07-01\(retired\)](#); [GL07-08\(B\)](#); [GL08-01\(B\)](#); [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ08-04\(B\)](#); [WQ07-03\(B\)](#); [WQ07-08\(B\)](#); [WQ07-10\(B\)](#); [WQ08-07\(B\)](#); [WQ07-11\(B\)](#); [WQ10-01\(C\)](#); [ES10-13\(C\)](#); [ES11-12\(C\)](#)
6. Ensure strict enforcement of erosion and sediment control laws during construction. [WQ07-01\(A\)](#); [WQ08-07\(B\)](#);

7. Slow down and filter pollutants from runoff by encouraging the establishment and maintenance of vegetative filters and buffers. [GL07-08\(B\)](#); [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ08-04\(B\)](#); [WQ07-04\(retired\)](#); [WQ07-09\(B\)](#); [WQ07-10\(B\)](#); [WQ08-07\(B\)](#); [WQ07-11\(B\)](#); [WQ10-01\(C\)](#); [ES08-10\(B\)](#); [ES09-08\(B\)](#); [ES10-07\(B\)](#); [ES11-08\(B\)](#); [ES08-09\(C\)](#); [ES08-11\(C\)](#); [ES10-13\(C\)](#); [ES10-15\(C\)](#); [ES11-12\(C\)](#)
8. Stabilize and restore streams using sound scientific principles (applied fluvial geomorphology) that work in concert with natural tendencies, mimic natural systems, and use environmentally friendly techniques such as soil bioengineering. [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ08-04\(B\)](#); [WQ07-04\(retired\)](#); [WQ07-05\(B\)](#); [WQ07-10\(B\)](#); [WQ08-06\(B\)](#); [WQ08-07\(B\)](#); [WQ07-11\(B\)](#); [WQ10-01\(C\)](#);
9. Implement the recommendations in the March 2003 report on “The Role of Regional Ponds in Fairfax County’s Watershed Management.” [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ08-04\(B\)](#); [WQ07-10\(B\)](#); [WQ08-07\(B\)](#); [WQ07-11\(B\)](#); [ES07-01\(retired\)](#); [ES07-02\(B\)](#); [ES08-01\(B\)](#); [ES08-04\(B\)](#); [ES08-10\(B\)](#); [ES08-07\(C\)](#); [ES08-09\(C\)](#); [ES10-15\(C\)](#)
10. Implement the recommendations of the New Millennium Occoquan Watershed Task Force (December 2002) to protect the County’s drinking water supply in the Occoquan Reservoir. [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ08-04\(B\)](#); [WQ07-06\(retired\)](#); [WQ07-09\(B\)](#); [WQ07-10\(B\)](#); [WQ08-06\(B\)](#); [WQ08-07\(B\)](#); [WQ07-11\(B\)](#); [WQ07-12\(C\)](#); [WQ10-01\(C\)](#); [ES07-02\(B\)](#); [ES07-10\(B\)](#); [ES08-01\(B\)](#); [ES08-02\(B\)](#); [ES08-03\(B\)](#); [ES08-04\(B\)](#); [ES08-10\(B\)](#); [ES08-07\(C\)](#); [ES08-09\(C\)](#); [ES09-08\(B\)](#); [ES08-11\(C\)](#); [ES10-13\(C\)](#); [ES10-15\(C\)](#)
11. Monitor the Health Department’s inspection of septic systems and their requirement for septic system pump-out and maintenance on a regular basis, for example, every five years. [WQ07-01\(A\)](#); [WQ08-03\(B\)](#); [WQ07-02\(B\)](#); [WQ07-06\(retired\)](#)
12. Improve water quality and stormwater management through tree conservation [GL08-07\(retired\)](#); [GL08-08\(retired\)](#); [GL08-09\(retired\)](#); [GL08-10\(retired\)](#); [GL08-12\(B\)](#); [ES-10-02\(A\)](#); [ES08-10\(B\)](#); [ES09-08\(B\)](#)

# **Board of Supervisors' Environmental Agenda: Summary of Objectives and Supporting EIP Actions (continued)**

## **IV. SOLID WASTE**

General: [ES07-10\(B\)](#); [ES08-01\(B\)](#); [ES08-03\(B\)](#); [SW08-02\(B\)](#); [SW09-01\(B\)](#); [SW09-02\(B\)](#); [SW10-01\(C\)](#); [SW10-02\(A\)](#)

1. Ensure that the E/ERF facility has up-to-date technology to remove as many harmful emissions as possible.
2. Continue emphasis on recycling for residents and businesses; continue the County's current recycling program of curbside pickup of recyclable bottles, cans, and newspaper. [ES08-02\(B\)](#)
3. Encourage use of recycled products to expand the market. [SW07-03\(B\)](#); [ES08-02\(B\)](#)
4. Increase the county's use of recycled paper and other products. [SW07-03\(B\)](#);
5. Provide recycling bins in convenient locations for the public's use. [SW07-02\(retired\)](#)
6. Work with our Federal delegation to re-establish flow control of solid waste within our own boundaries.
7. Conduct Household Hazardous Waste Events. [SW07-05\(B\)](#)
8. Promote reuse/recycling of electronics waste in Fairfax County. [SW07-06\(B\)](#)
9. Properly manage end of life fluorescent lamps, rechargeable batteries, and obsolete electronics in Fairfax County. [SW07-07\(A\)](#)
10. Maximize energy recovery potential from landfill gas (LFG) resources. [SW08-01\(B\)](#)

# **Board of Supervisors' Environmental Agenda: Summary of Objectives and Supporting EIP Actions (continued)**

## **V. PARKS, TRAILS, AND OPEN SPACE**

General: [AQ08-05\(B\)](#); [PT08-06\(C\)](#); [ES09-18\(A\)](#); [ES08-05\(B\)](#); [ES08-06\(B\)](#); [ES08-10\(B\)](#); [ES09-08\(B\)](#); [ES08-09\(C\)](#)

1. Create more pocket parks in urban areas for relaxation and respite. [GL07-04\(B\)](#); [WQ10-01\(C\)](#); [PT07-09 through 12\(B\)](#); [PT08-01\(B\)](#)
2. Create more community parks for active and passive recreation--open spaces with native vegetation to sustain local wildlife and to create areas for walking, meditating, or bird watching. [WQ10-01\(C\)](#); [PT07-09 through 12\(B\)](#); [PT08-01](#); [PT08-05\(C\)](#); [PT09-01\(B\)](#); [PT09-03\(B\)](#); [ES10-15\(C\)](#)
3. Plan and develop a comprehensive interconnected trails system throughout the County. [WQ10-01\(C\)](#); [PT07-03\(B\)](#); [PT07-06\(B\)](#); [PT07-07\(B\)](#); [PT07-12\(B\)](#); [PT08-01](#); [PT08-05\(C\)](#)
4. Continue to acquire open space before it is too late through direct purchase or conservation easements to create more trails, connect trails and provide passive and active recreation areas. [WQ10-01\(C\)](#); [PT07-10\(B\) through 12\(B\)](#); [PT08-01 and 03\(B\)](#)
5. Provide adequate resources to maintain and appropriately develop our parks for passive and active recreation. [WQ10-01\(C\)](#); [PT07-10, 11 and 17\(B\)](#); [PT07-21\(C\)](#); [PT08-01 and 03](#); [PT08-05 and 06\(C\)](#)
6. Encourage conservation easements for open space and trails either to private organizations, such as the Northern Virginia Conservation Trust and The Potomac Conservancy, or to government agencies like the Fairfax County Park Authority or the Northern Virginia Regional Park Authority. [WQ10-01\(C\)](#); [PT07-13 and 14\(B\)](#); [PT08-01 and 03\(B\)](#); [PT08-05\(C\)](#)

# **Board of Supervisors' Environmental Agenda: Summary of Objectives and Supporting EIP Actions (continued)**

## **VI. ENVIRONMENTAL STEWARDSHIP**

General: [GL08-11\(A\)](#); [AQ07-09\(B\)](#); [AQ07-15\(B\)](#); [AQ07-23\(B\)](#); [AQ08-01\(B\)](#); [AQ09-03\(A\)](#); [PT08-01](#) and [PT08-05](#) and [06\(C\)](#); [ES09-18\(A\)](#); [ES08-05\(B\)](#); [ES10-14\(C\)](#)

1. Encourage organizations, for example, those that work on stream monitoring and stream valley restoration, to involve schools and citizens of all ages in their work. [WQ08-07\(B\)](#); [WQ10-01\(C\)](#); [ES-07-01\(A\)](#); [ES07-02\(B\)](#); [ES07-10\(B\)](#); [ES08-01\(B\)](#); [ES08-02\(B\)](#); [ES-08-03\(B\)](#); [ES08-04\(B\)](#); [ES08-06\(B\)](#); [ES08-10\(B\)](#); [ES08-07\(C\)](#); [ES08-09\(C\)](#); [ES10-13\(C\)](#); [ES10-15\(C\)](#)
2. Encourage citizen-based watershed stewardship groups and help them to work with all stakeholders to protect, enhance and improve the natural resources, and hence, the quality of life in their watersheds. [WQ07-09\(B\)](#); [WQ08-07\(B\)](#); [WQ10-01\(C\)](#); [ES07-01\(retired\)](#); [ES09-05\(retired\)](#); [ES10-12\(A\)](#); [ES07-02\(B\)](#); [ES07-10\(B\)](#); [ES08-01\(B\)](#); [ES08-02\(B\)](#); [ES-08-03\(B\)](#); [ES08-04\(B\)](#); [ES08-06\(B\)](#); [ES08-10\(B\)](#); [ES09-06\(B\)](#); [ES09-10\(B\)](#); [ES08-07\(C\)](#); [ES08-09\(C\)](#); [ES09-08\(B\)](#); [ES08-09\(C\)](#); [ES08-11\(C\)](#); [ES09-09\(C\)](#); [ES10-13\(C\)](#); [ES10-15\(C\)](#)
3. Encourage schools to provide community service by students and involve children in projects that respect, protect and enhance the environment. [WQ08-07\(B\)](#); [WQ10-01\(C\)](#); [ES10-12\(A\)](#); [ES07-02\(B\)](#); [ES07-10\(B\)](#); [ES08-01\(B\)](#); [ES08-02\(B\)](#); [ES08-03\(B\)](#); [ES08-04\(B\)](#); [ES08-06\(B\)](#); [ES08-10\(B\)](#); [ES09-08\(B\)](#); [ES09-10\(B\)](#); [ES08-09\(C\)](#); [ES08-11\(C\)](#); [ES10-15\(C\)](#)
4. Establish an aggressive program of community groups to adopt natural areas such as parks, trails, and stream valleys. [WQ08-07\(B\)](#); [WQ10-01\(C\)](#); [ES07-01\(retired\)](#); [ES09-05 \(retired\)](#); [ES07-02\(B\)](#); [ES07-10\(B\)](#); [ES08-01\(B\)](#); [ES08-02\(B\)](#); [ES08-03\(B\)](#); [ES08-04\(B\)](#); [ES08-06\(B\)](#); [ES08-10\(B\)](#); [ES09-08\(B\)](#); [ES09-14\(B\)](#); [ES10-03\(B\)](#); [ES10-04\(retired\)](#); [ES10-05\(B\)](#); [ES10-06\(B\)](#); [ES10-07\(B\)](#); [ES08-07\(C\)](#); [ES08-09\(C\)](#); [ES08-11\(C\)](#); [ES10-13\(C\)](#); [ES10-15\(C\)](#)

5. Establishes that county operations will be pursued in an environmentally-sensitive manner, supporting local, regional, and global environmental protection and improvement. WQ10-01(C); ES09-01(retired); ES09-02(retired); ES09-03(retired); ES09-04(A); ES09-05(retired); ES09-11(A); ES10-04(retired); ES10-05(A); ES10-12(A); ES11-01(retired); ES11-02(retired); ES11-03(A); ES11-06(A); ES08-06(B); ES09-06(B); ES09-08(B); ES09-12(B); ES09-13(B); ES09-14(B); ES10-03(B); ES10-06(B); ES10-07(B); ES10-09(B); ES11-04(B); ES11-05(B); ES11-07(B); ES11-08(B); ES11-09(B); ES11-10(B); ES11-11(B); ES08-09(C); ES09-15(C); ES09-16(C); ES09-17 (C); ES10-08(C); ES10-10(C); ES10-11(C)ES11-06(C); ES11-12(C); ES11-13(B); ES11-14(B); ES09-09(B); ES12-01(C); ES12-02(C)
  
6. Foster an appreciation for our urban forests and inspire County residents to protect plant and manage trees and forest stands on public and private lands. GL09-02(C); AQ08-05(B); WQ10-01(C); ES08-01(B); ES08-02(B); ES08-04(B); ES08-06(B); ES08-10(B); ES09-08(B); ES08-07(C); ES-08-09(C); ES08-11(C); ES10-13(C); ES10-15(C)