



1 Devens Common:

- Roof run-off from all buildings goes into cistern for reuse for irrigation.
- All services within ½ mile of all residents in Devens.
- Hilton Garden composting & recycling program/waste diversion.



2 Laddawn:

- Existing building reuse (Former Army Library).
- Biodegradable plastic bag manufacturing company.
- All products manufactured with renewable energy.
- Employee wellness, bike share, climbing wall.
- Continued growth—~22,000 sq.ft. addition.



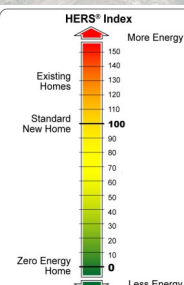
3 Transitions:

- Social Equity - 13 unit home for battered women with children.
- LEED for Homes Gold Certified (Sustainable building design and construction).
- Walking distance to local services and parks.
- Reduced parking footprint.



4 Sustainable Housing Project:

- 8—ZNet-Zero Energy & Positive Energy Single Family Homes (super-insulated, renewable energy, efficient HVAC, passive solar) with LID and reduced development footprint.
- Affordable workforce housing.
- 12-unit multi family sustainable housing demonstration project



5 Net Zero Energy Neighborhood: Emerson Green Devens Village Green:

- 130 Unit mixed residential neighborhood.
- Energy efficient homes.
- 22% affordable to moderate and low-income.
- Compact, walkable streets.
- Designed for health and people first.



6 Francis W. Parker Charter School:

- Reuse of existing building and purchase of “used” building (embodied energy).
- Student “green team”- recycled paper donations, anti-idling campaign, tiny house demo projects.
- Community garden growing local produce for school cafeteria and Loaves and Fishes food pantry.



7 Former Moore Army Airfield:

- Ongoing bio-remediation project to remove PCE contamination using microbes and molasses injections. Microbes ingest contaminants and convert them to harmless water and vapor.
- State Police driver training.
- Raytheon electronic toll testing.



8 Commonwealth Fusion Systems:

- Commercial fusion energy research and development demonstration project
- Tokamak—magnetic bottle where fusion occurs
- Superconductor magnet factory (many industrial uses)
- Clean, decentralized energy source



9 Willow Brook Daylighting:

- Reconstruction of 400 linear feet of Willow Brook that previously flowed underground through a 30” culvert pipe.
- Significant stormwater quality enhancements and fish and wildlife corridor.
- Riparian planting partnership with Nashua River Watershed Assoc.



10 Devens Utility Department:

- 12+MW of solar energy generated locally
- ~ 12% of Devens total power supply provided by renewable sources.
- Department administers Peak Management Program for larger demand customers. Reduces demand and peak power costs.
- Chevy Volt hybrid electric vehicle used for meter reading and customer service calls.



11 Devens Recycling:

- Recycling wood, gypsum, asphalt, concrete.
- Material exchange and reuse (wood biomass energy).
- Over 15,000 tons of material diverted from landfill each year.
- Co-location and by-product exchange opportunities.
- Multi-Modal access.



12 Devens Eco-Efficiency Center

- Provides education, technical assistance, partnership opportunities to promote sustainable operating practices.
- Programs delivered over \$5,000,000 savings to date.
- The Great Exchange diverted and repurposed over 23,000 pounds of materials in 2022.
- Value-added component to locating at Devens.



13 Loaves and Fishes Food Pantry:

- Food pantry offering food, clothing and necessities to those in need. Partners with local businesses on food drives that benefit hundreds of local families in need.
- Fresh produce from local community garden.
- Low-Impact Landscaping—no mow zones.
- Compost food scraps to local pig farm.



14 Devens Dept. of Public Works (DPW):

- Free recycling for business & residents(~5.8tons/mo.).
- Shared equipment & vehicle maintenance for Fire, Police, and DPW's with neighboring towns.
- State of the art wash water recycling unit.

Devens Household Hazardous Collection Facility:

- Regionalized service for residents, small businesses in Devens &14 local towns.
- 800 users per year, over 48,500 lbs./year safely disposed.



LEGEND:

- Devens Boundary
- MA Town Boundaries
- Devens Roadways



DEVENS
MASSACHUSETTS



Devens
Eco-Efficiency
Center
Helping firms protect resources.





15 Scannell Properties—Watson Marlowe:

- Medical device manufacturer.
- Reuse of former brownfield site
- Low-Impact Development stormwater management.
- Green Building—USGBC LEED Gold (attempting)

20 US Army:

- 100mil. training and maint. facility completed – Green Building Design (LEED Silver).
- 600 Soldiers & Marines— 800 military vehicles.
- Drinking water well protection – re-designed layout to avoid impacts.
- LID incorporated where possible (some soil contamination – restrictions for infiltration).

16 66 Saratoga Blvd. Adaptive Reuse/Expansion:

- Adaptive reuse of former Gillette warehouse. Quiet Logistics Internet fulfillment Center.
- Partnership with Minuteman Arc (employing disabled).
- 3 new rail spurs + 430,000 sf addition.
- 3MW of solar panels on existing roof (18 Indep. & 66 Saratoga).

21 King Street Properties—Pathway Campus

- 750,000 sq.ft. new biotech campus
- Amenity Building—community connection
- Transportation Demand Management
- Porous pavement
- Co-location opportunities

17 Devens Open Space:

- 1800 acres incl. Oxbow National Wildlife Refuge, floodplain of the Nashua River (green infrastructure).
- 500 acres of active recreation fields.
- 70 acre Mirror Lake features swimming and fishing.
- 12+ miles of trails – green infrastructure – connecting development, people, & nature.
- Red Tail Golf Course— Audubon International Signature program bronze certified (sustainable resource mgm't practices).

18 Bristol-Myers Squibb:

- Corporate Sustainability – triple bottom-line.
- Parking up instead of out (env. footprint reduction).
- Adopted endangered species, local trail maintenance.
- Process water recycling & re-use.
- LEED Gold & Silver green buildings.
- Green Roofs/Walls.
- \$2 Billion investment.

19 Apex Properties:

- Adaptive re-use (green building).
- LID (biofiltration landscape islands, grass-lined swales, rain gardens, phased parking).
- Connecting into Devens Trail system.
- Mt Wachusett Community College Job Training for BioPharma BMS.
- Incubator business space.
- Childcare/learning center.

22 Dragonfly Wellness Center:

- Adaptive reuse of historic former Red Cross building.
- Converted to health and wellness center providing holistic approaches to prevent and treat illness for long term wellness.
- Natural Café—Local organic restaurant.

23 Tara Vista Behavioral Health Center:

- 108 bed critical care facility for persons with co-occurring substance abuse/psychiatric disorders.
- Low impact site development (rainwater harvesting, porous pavement in parking lot, reinforced turf emergency access).
- Sidewalk expansion—connecting Mirror Lake to Devens sidewalk network.

24 US Fish and Wildlife Visitor Contact Station:

- Reused building materials.
- Green roofs.
- Recreation trail connections into Devens network.
- Universally accessible river access.
- Low-Impact Development drainage design.
- Pervious pavement.

25 Clear Path for Veterans:

- Adaptive building reuse.
- Social services for veterans.
- Companion/service dog training
- Peer to Peer mentoring.
- Workforce training programs.

26 Maxant Honey Processing Equipment:

- Honey processing/extraction equipment mfg.
- Local family business producing >2,000 machines/yr.
- Apiary—on-site honey production.
- Local honey retail sales.

27 Little Leaf Farms:

- 450,000 sq.ft. hydroponic baby leaf lettuce
- Rainwater harvesting for 80% of irrigation needs.
- Process water reuse. Over 12,000 LED grow lights.
- Local food= reduced carbon.
- Pest control- Pollinator meadows

