# Development Practicum 

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## Table of Contents

1. Executive Summary ..... 1
2. Development Program .....  4
3. Site and Property Description .....  6
4. Market Analysis ..... 10
5. Development Issues ..... 18
6. Development Budget ..... 21
7. Schedule ..... 21
8. Financial ..... 22
9. Project Management Plan ..... 24
10. Conclusions and Recommendations ..... 25
11. References ..... 27

Appendices
Appendix A - Plans and Maps

- Conceptual Site Plan
- Alternative Site Plan
- Existing Conditions Plan
- Existing Utility Location Map
- Vicinity Maps

Appendix B - Project Schedule
Appendix C - Development Budget
Appendix D - Financial Analysis
Appendix E - Market Information

- Lease Comparables
- Absorption and Construction Data
- Building Sale Comparables
- Land Sale Comparables
- Development Pipeline
- Brokerage Market Reports

Appendix F - Excerpts from County Comprehensive Plan

## Executive Summary

The development opportunity consists of a 170 acre property made up of four individual parcels suitable for a planned business park of warehouse and distribution facitilities. The property is located in East Allen Township, Pennsylvania which is in the eastern portion of the state in the region known as "Lehigh Valley". Willingness of four adjacent landowners to simultaneously sell their land presents a unique opportunity to assemble a large development parcel with close proximity to transportation infrastructure. The location and size of the property is well-suited for development of a planned business park of warehouse/distribution buildings.

This parcel is located near the center of Lehigh Valley's vibrant industrial market of over 53,000,000 square feet. It is located just north of a mature industrial park, where many national companies have leased space for many years and just south of a parcel that was recently developed as a 400,000 SF distribution center for Trader Joe's. The property is approximately 2.5 miles from US-22, a limited access highway leading to I-78 which leads east to Manhattan and the Port of New York/New Jersey and leads west to I81/Harrisburg. The property location provides easy access to the densely populated consumer markets of Manhattan, northern New Jersey, Philadelphia, and Baltimore/Washington. The property also benefits from easy access to the inbound flow of goods coming through Harrisburg and the Port of NY/NJ which yields lower inbound transportation costs for the tenants.

The property serves as an infill site within the heart of the market area for industrial real estate in Lehigh Valley. This market has a proven track record over the last 10 years with growth over 21,000,000 square feet during the period. Fortune 500 tenants are continually attracted to this region due to proximity to the Port and dense consumer populations. Strong tenant demand and leasing fundamentals have led to increased demand from institutional investors seeking long-term ownership of investment grade assets. Institutional investors' appetite for stabilized assets who typically avoid development risk have led to steady demand for merchant developers to fill the void.

The configuration of the property allows flexibility for building layouts with floor plans greater than $1,000,000$ square feet, or can be subdivided to facilitate multiple smallersized buildings. A development plan consisting of (2) 550,000 SF cross-dock buildings, (2) 200,000 SF rear loaded buildings and (1) 210,000 SF rear loaded building was chosen to attract a variety of tenant sizes, and fill a projected void in the market for smaller-sized buildings. The site plan will be reevaluated and adjusted as needed to meet market demands at the time of construction.


Topography of the property is rolling, yet relatively flat compared to others in the area. Zoning for the parcels is a combination of Agriculture/Rural Residential, General Industrial and Conservation. This property is located within the jurisdiction of East Allen Township, yet is adjacent to two other townships with industrial zoning nearby. The property is currently used for agricultural purposes. Public utilities have not been extended to the property.

Development of the property for warehousing and light industrial use will require a zoning map amendment from the local township and plan approvals from various agencies such as Northampton County Conservation District, Pennsylvania Department of Environmental Protection, and Pennsylvania Department of Transportation. Other approvals will be required for extension of public utilities to the property and treatment of sewer discharges. Procurement of these approvals will be managed by a third-party civil engineering firm with oversight and assistance from an outside land-use attorney. Procuring approvals is viewed as the largest hurdle to developing this property. Only minimal sums of money will be committed to the project prior to receipt of all approvals. Procurement of approvals is a condition precedent to buyer's obligation to purchase the property.

Overall cost for the development is expected to be nearly $\$ 84,000,000$ inclusive of land, construction, and leasing expenses (excludes interest and loan fees). Proceeds from sale are expected to be nearly $\$ 96,000,000$ leading to net profits of approximately $\$ 12,000,000$ or a $14 \%$ margin. Financing the project with construction loans amounting to $70 \%$ of the cost ( $\$ 25,200,000$ equity) reduces net profit to $\$ 8,200,000$, yet increases return on equity to $32.5 \%$. The schedule for development will be divided into three phases allowing to stabilize and sell the first phase buildings before proceeding with the
second and third phase. Phasing the project reduces the equity contribution to $\$ 18,520,000$ and increases return on equity to $44 \%$.

Success of the development is hinged on procuring the zoning amendment and necessary approvals. This is determined to be the largest risk for the project. Fortunately, these risks will be overcome during the early phases of the project prior to expending large sums of money. Skillfully negotiating deadlines for costly contractual obligations will dramatically reduce the amount of money at risk during the early stages of the project. Once the project is approved, an updated analysis of current real estate fundamentals will determine the appropriate time to construct buildings on a speculative basis.

## Development Program

The Lehigh Valley, located in eastern Pennsylvania, is an established market for investment-grade industrial real estate. The area is well positioned for regional distribution centers serving Philadelphia and Manhattan or super-regional centers serving the mid-Atlantic and northeastern United States. This development seeks to maximize leveraged internal rate of return by building, leasing and selling speculative warehouse buildings, capitalizing on the proven history of this viable leasing market.

The development opportunity consists of purchasing fee-simple ownership of four parcels owned by four different parties to create an investment grade industrial park. The developer will enter into legally-binding purchase and sale agreements with each land owner. It is expected that terms of each agreement will dictate an earnest money deposit which will be refundable during a 90-day inspection period and non-refundable thereafter. The agreement will allow the purchaser up to two years to procure approvals prior to closing the transaction and will include (2) one-year extension options upon payment of additional nonrefundable deposits. The five parcels will be consolidated to create a uniform development then subdivided into individual building lots suitable for the intended use.

The property is currently zoned as a combination of Agricultural/Rural Residential, General Industrial and Conservation. It is currently being used for agricultural purposes and the existing zoning designations do not allow for the intended use. The property will need to be rezoned by Township Supervisors to allow warehousing activities, which requires multiple public meetings and hearings inviting opposition from the local public, other developers and adjacent municipalities. This portion adds a significant amount of risk to the development, yet can be managed by deferring non-refundable land deposits and nonessential project costs until after successful rezoning. Local real estate attorneys, planners and engineers will be utilized to navigate the municipal rezoning approvals.

Initial sketches reveal the property can be developed to accommodate two warehouse/distribution buildings that total 1,920,000 square feet or five buildings that total $1,710,000$ square feet with ample room for truck circulation and trailer parking. The site is well suited to accommodate the needs of users requiring large floor plates, or it can be subdivided to attract small to mid-size users. Proformas for both development plans have been evaluated and found to produce positive financial results. Based on initial evaluations, the five building scheme has been selected as the development plan to move forward with. The final development decision will be reevaluated just prior to commencing construction based on market conditions at that time.

The development plan of five buildings was selected after thorough analysis of the leasing market and competitive properties slated for development. Based on the analysis, the smaller-sized buildings will be undersupplied in the next few years. The buildings will be diverse in size and delivery time to avoid competition with one another. Two 550,000 square feet cross-docked buildings, two 200,000 square feet rear loaded buildings and one 210,000 square feet cross dock building are planned. The proforma
assumes the buildings will be subdivided to attract various size tenants from 50,000 s.f. leaseholds to 550,000 s.f. leaseholds.

The development will include features to provide maximum utility to the highest number of users, such as ample car and trailer parking, secure loading areas, and ability to subdivide buildings for multi-tenancy. The buildings will be constructed to class "A" investment grade standards consisting of structural clear heights above 32', concrete wall panels, highly polished concrete floors, state-of-the-art sprinklers systems, and roofing membranes with 15 year warranties. The buildings will be designed to achieve maximum flexibility to extend the life cycle of the building as tenant trends change in the future.

Construction of the buildings will occur in three phases to minimize capital requirements and leasing risk. Phase I consists of constructing the infrastructure required for the development and constructing, leasing and selling Building 2 and Building 3. Building 2 is programmed for four tenants of 50,000 s.f. and Building 3 is programmed for one tenant of 550,000 s.f. Phase II consists of constructing Building 4 and Building 5. Building 4 is programmed for two tenants of 100,000 s.f. and Building 5 is programmed for two tenants of 275,000 s.f. Phase III consists of constructing Building 1, which is programmed as a single-occupancy 210,000 s.f. cross-docked building. The location of Building 1 offers the most flexibility to change the floor plan and loading configuration increasing its value for a tenant-driven build-to-suit requirement. Building 1 will be marketed for build-to-suit requirements, yet is conservatively assumed to be constructed last. Phase I construction will commence upon receiving all necessary approvals for construction of the development and closing the land transactions.

|  | Phase I |  | Phase II |  | Phase III |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Building \# | 2 | 3 | 4 | 5 | 1 |
| Size of Building (s.f.) | 200,000 | 550,000 | 200,000 | 550,000 | 210,000 |
|  |  |  |  |  |  |
| Number of Tenants | 4 | 1 | 2 | 2 | 1 |
| Avg. Size of Leasehold | 50,000 | 550,000 | 100,000 | 275,000 | 210,000 |

It is assumed that the buildings will be constructed on a speculative basis when market conditions meet certain thresholds. Leasing will be managed through an outside broker from one of the national brokerage houses who specialize in warehouse and distribution centers. This developer will utilize construction financing and hold the buildings on balance sheet through leasing and stabilization. Upon stabilization, the building(s) will be marketed for sale to institutional investors. Proceeds from the sale will be reinvested in the development to meet equity requirements for construction of the next building.

An alternative disposition strategy was evaluated for this analysis and will be further evaluated prior to selling the first building. This strategy involves retaining all five buildings through construction and stabilization, then selling the entire business park. This strategy will allow the developer to realize rental income prior to sale to offset debt service. It is also likely to yield the highest aggregate sales price due to more institutional interest for larger transaction size and a tenant mix that will reduce
variability of the portfolio's cash flows. Downside of the strategy is that it introduces more cap rate risk by extending the time horizon. Holding all buildings also increases the equity requirement from the developer and decreases projected return-on-equity and internal rate of return.

## Site and Property Description

## Location

The property is in the southeast corner of East Allen Township, abutted by Lower Nazareth Township to the east and Hanover Township to the south. East Allen Township is predominately a rural suburb located north of Bethlehem, Pennsylvania. Successful business parks such as the proposed development currently exist within close proximity to this property in neighboring townships. This development will serve as an extension to these established business parks. A map of the property is shown below.


The property is located within 2.5 miles of US-22, a limited access highway which leads to Interstate - 78. The highway network allows quick access to the Ports of New York and New Jersey and to the dense consumer populations of Philadelphia, AllentownBethlehem, New York, and Harrisburg MSA's. New York, Harrisburg and Philadelphia can be reached within 1 to 1.5 hours drive time and Washington D.C. can be reached within 3.5 hours. The property is located within 80 miles from the port offering reasonable drayage charges for goods imported to the US through this location. Lehigh Valley Economic Development Corporation estimates this region is located within 100 miles of 30 million people and within a day's drive to one-third of U.S. and one-half of Canadian customers.

Access to the property is currently provided to two of the individual parcels by rural, township maintained roads. Three of the individual parcels are landlocked in their current state. A higher volume, state maintained road (SR 512) is just west of the subject property. It is assumed that an easement will be procured allowing direct access to the property from SR 512.


## Physical Description

The land to be developed commercially is bound by railroad tracks and the Monocacy Creek to the south, a rural road to the east, industrial manufacturing to the west and an agriculturally preserved tree farm to the north. A portion of the property is on the other side of the creek which will be preserved as open space or dedicated to the township for recreational uses. Railroad tracks at the southern end of the property are known as the Cement Secondary Line, owned by Norfolk Southern providing rail service to manufacturing and industrial uses. Norfolk Southern serves the line twice daily with slow moving trains.

The property consists of rolling topography, with two different plateaus. The majority of the land slopes south to the Monocacy Creek. The site plan is designed so that the buildings will be constructed on the upper plateau and shared stormwater management facilities will be constructed on the lower plateau. A portion of the property lies within the 100 year floodplain, which will be used for open space to satisfy bulk requirements. Geology in the area is known for pinnacled limestone which is prone to sinkholes.

## Existing utilities

The property is not currently served with adequate public utilities. Initial studies have determined that electricity and natural gas can be extended to the property with minimal expense from the developer. Water and sewer capacity is available yet will require nearly one mile of piping to reach the property. Two different water/sewer plants from two different municipalities are within reach providing some room for the developer to negotiate for the best package available.


Existing Zoning, Use and surrounding uses
Current zoning designations for the property are shown in the sketch below. The majority of the property is currently zoned as agricultural/rural residential (light blue) with one of the lots zoned as general industrial (red) and the area within the floodplain is zoned for conservation (green). The property is currently used for agricultural purposes.


Adjacent townships have zoned lands for industrial or light industrial uses in close proximity to the subject property making this development a natural extension of these light industrial areas. A map of the current zoning designations in the vicinity of the property is included below.


Source: Lehigh Valley Planning Commission - Comprehensive Plan

## Market Analysis

Prior to making an investment in real estate, it is important to understand what factors outside of the real estate spectrum drive demand for the specific product type. Demand for industrial real estate in the Mid-Atlantic and Northeastern United States is driven by three primary drivers: dense population, disposable income levels, and freight flow.

The Mid-Atlantic and Northeastern regions are the most densely populated regions in the country. The U.S. Census Bureau estimates that 72 million people or $24 \%$ of the population live in the states bounded by Virginia and West Virginia through Maine. Fifteen percent of the population lives in Pennsylvania, New Jersey, New York and Maryland alone. A map showing population density is included below.


Source: U.S. Census Bureau (2005)
The second demand driver is disposable income which translates to consumer spending. The U.S. Bureau of Economic Analysis estimates total disposable income of the MidAtlantic and Northeastern United States to be over \$3 Trillion, or $28 \%$ of the total disposable income for the nation. Disposable income per capita in these regions averages $\$ 40,523,14 \%$ higher than the national average of $\$ 35,916$. This region of the country is consumer oriented; inbound freight outpaces outbound freight by a ratio of 4 to 1 . Below is a map showing disposable per capita income by State from the U.S. Bureau of Economic Analysis.


The third driver of demand for industrial real estate in this region is path of goods movement or freight flow. Many of the products imported into the U.S. come through the Port of New York and New Jersey. The port is the third largest port by container traffic in the nation and $20^{\text {th }}$ largest in the world. The top two ports in the United States are located side-by-side in Southern California. In 2009, over 4.5 million twenty-foot equivalent units (TEU's) passed through the port.

| 2009 <br> Rank | Port (State/Province) | Country | 2009 |
| :---: | :--- | :--- | :---: |
| 1 | Los Angeles (CA) | United States | $6,748,995$ |
| 2 | Long Beach (CA) | United States | $5,067,597$ |
| 3 | New York/New Jersey | United States | $4,561,527$ |
| 4 | Savannah (GA) | United States | $2,356,512$ |
| 5 | Metro Port Vancouver (BC) | Canada | $2,152,468$ |
| 6 | Oakland (CA) | United States | $2,050,030$ |
| 7 | Houston (TX) | United States | $1,797,198$ |
| 8 | Hampton Roads (VA) | United States | $\mathbf{1 , 7 4 5 , 2 2 8}$ |

Source: American Association of Port Authorities, North American Port Container Traffic (2009)

Many of the goods coming in to the port are shipped by truck to a regional warehouse for distribution and consumption within the region. Other goods are shipped west through Pennsylvania to other states throughout the nation and Canada. These goods may stop in a warehouse within the region for consolidation or repackaging prior to being shipped further west. The chart below shows the inland movement of maritime cargo by truck (in tons). Many of these trucks pass through Lehigh Valley where the subject property is located.


Industrial real estate in the Lehigh Valley has a proven record of success do to the regional demand factors discussed previously and consistently strong real estate fundamentals. Zoning regulations and environmental restrictions in the region create high barriers to entry for new construction. Those who are successful navigating land acquisition and entitlements will be rewarded if the proper real estate product is developed at the right time. A thorough analysis of the local real estate fundamentals is required to determine the appropriate product type and time to build.

The industrial real estate market in Lehigh Valley for buildings greater than 100,000 square feet consists of 182 buildings that total over 53 million square feet. The market has grown consistently since 1998 when the market was only 34 million square feet. The average direct net absorption rate during this period is 1.6 million s.f. annually. The market is becoming more and more popular with institutional investors, yet very few merchant developers are active leading to higher profit margins for the developer.

The graph below represents absorption, construction and vacancy data for Lehigh Valley during the period between 1990 and 2009. This market has shown exponential absorption growth since the late ' 90 s until going negative in the current recession. The market experienced negative absorption in 2008 and 2009, yet is much smaller in scale than other markets. During the last period of expansion, between 2003 and 2007, the average absorption rate was $2,210,000$ s.f. per year. The ten year average between 1998 and 2008 is $1,645,000$ s.f. per year.


|  | $\begin{gathered} 5 y r \\ (' 03-107) \\ \hline \end{gathered}$ | $\begin{gathered} 10 \mathrm{yr} \\ (' 98-\mathrm{S} \\ \hline \end{gathered}$ | $\begin{gathered} 5 \mathrm{yr} \\ (' 05-\mathrm{O} \\ \hline \end{gathered}$ | $\begin{gathered} 10 \mathrm{yr} \\ (' 00-\mathrm{O}) \\ \hline \end{gathered}$ | $\begin{gathered} 15 \mathrm{yr} \\ (' 95-\mathrm{-} 09) \\ \hline \end{gathered}$ | $\begin{gathered} 20 \mathrm{yr} \\ (' 90-\mathrm{O} \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Avg. Absorption | 2,210,000 | 1,645,000 | 1,430,637 | 1,368,319 | 1,218,212 | 1,039,15 |

Leasing assumptions for the development are derived after a thorough review and analysis of lease transaction data from Grubb \& Ellis, Cushman \& Wakefield, and CBRE. Information from three different brokerage houses was used to provide the largest sample of information possible and eliminate potential erroneous data. Costar's database was referenced for overall market leasing activity and absorption data. Once the data was collected, it was combined, segmented, and then analyzed.

The data was segmented into categories based on size of leasehold. The size categories are 10,000 - 100,000sf, 100,000 - 200,000sf, 200,000 - 400,000sf, and 400,000 $1,020,000$ sf. The segmented data was then analyzed to calculate average rental rate, median rental rate, average term, median term, average leasehold size, median size and number of transactions. Raw data was reviewed to determine which transactions were not comparable due to above/below standard tenant improvements or other lease terms. These transactions were not included in the calculations of median and average rent, yet they were included in the overall leasing activity calculations. Below is a summary of the results.

| $\underline{\text { Size Range }}$ | $\underline{\text { Average }}$ | $\frac{\text { Median }}{\text { Rent* }}$ | $\frac{\text { Average }}{\frac{\text { Size }}{\text { (SF) }}}$ | Median <br> Size <br> (SF) | $\xrightarrow{\text { No. of }}$ | $\frac{\text { Months }}{\text { /Lease }}$ | $\xrightarrow[\text { Total }]{\text { Lease (SF) }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (SF) | Rent* |  |  |  |  |  | Lease (SF) | Comments |
| $\begin{aligned} & 10,000- \\ & 100,000 \mathrm{SF} \end{aligned}$ | \$ 5.13 | \$ 5.08 | 55 |  | 16 | 3.00 | 887,543 | $12 \%$ of comps were above standard TI |
| 100,000 - |  |  |  |  |  |  |  |  |
| 200,000 SF | \$ 4.33 | \$ 4.25 | 135,710 | 128,750 | 20 | 2.40 | 2,714,200 |  |
| 200,000 - |  |  |  |  |  |  |  |  |
| 400,000 SF | \$ 4.13 | \$ 4.02 | 273,271 | 251,000 | 11 | 4.36 | 3,005,984 |  |
| 400,000 - |  |  |  |  |  |  |  | 43\% of comps were build-to- |
| 1,020,000 SF | \$ 4.12 | \$ 4.12 | 696,060 | 726,000 | 7 | 6.86 | 4,872,423 | suit with above standard TI |

Lease-up assumptions were derived by comparing a competitive set of properties with average absorption rates for each of the size ranges evaluated. Annual absorption data was derived through Costar going back to 1998. The competitive set of properties was derived through discussions with various brokerage companies, LoopNet and personal knowledge. The pipeline for buildings between 200,000 SF and 400,000 SF includes twelve buildings that total $2,882,440$ SF. The subject property accounts for three of these buildings ( $25 \%$ ) and 610,000 SF of the total area. The pipeline for buildings greater than 400,000 SF includes eighteen buildings that total 14,111,200 SF. The subject property accounts for two buildings and 1,100,000 SF of the total area.

## LEHIGH VALLEY PIPELINE (200,000 - 400,000 SF)

|  |  | Ownerl Developer | SF | Loading Type |
| :---: | :---: | :---: | :---: | :---: |
| Existing | LV South Distribution Ctr. | Trammel Crow | 315,000 | Single |
| Entitled | Bethlehem Crossing 4 | Griffin Land | 228,000 | Single |
| Entitled | Bethlehem Crossing 5 | Griffin Land | 303,600 | Single |
| Entitled | Boulder \& Schantz Road | Majestic Realty | 276,400 | Single |
| Entitled | Hanoverville Road | Prologis | 294,440 | Single |
| Entitled | Macungie Crossing | Panattoni | 210,000 | Single |
| Entitled | Newlins Mill | Verus Partners | 280,000 | Single |
| Planned | West Hill | Hillwood | 300,000 | Single |
| Planned | West Hill | Hillwood | 380,000 | Cross |
| Planned | East Allen Business Ctr. | Subject Property | 200,000 | Single |
| Planned | East Allen Business Ctr. | Subject Property | 200,000 | Single |
| Planned | East Allen Business Ctr. | Subject Property | 210,000 | Cross |
|  |  | Total | 2,882,440 |  |

## LEHIGH VALLEY PIPELINE (Over 400,000 SF)

|  |  | Ownerl <br> Developer | $\underline{\underline{\text { SF }}}$ | Loading <br> Type |
| :--- | :--- | :--- | :---: | :---: |
| Existing | Industrial Park Way | Seagis | 535,000 | Single |
| Existing | Macungie Crossing | Panattoni | 580,000 | Cross |
| Entitled | Route 248 Distribution Center | First Industrial | 700,000 | Cross |
| Entitled | Hanoverville Road | Greenfield | 546,000 | Cross |
| Entitled | Hanoverville Road | Greenfield | 551,000 | Cross |
| Entitled | Hanoverville Road | Prologis | 405,211 | Cross |
| Entitled | Arcadia East - Lot 3 | Arcadia | 424,000 | Single |
| Entitled | Macungie Crossing | Manattoni | 400,000 | Single |
| Entitled | Majestic Bethlehem Center | Majestic | $1,200,000$ | Cross |
| Entitled | Majestic Bethlehem Center | Majestic | $1,300,000$ | Cross |
| Entitled | Majestic Bethlehem Center | Majestic | $1,500,000$ | Cross |
| Entitled | Majestic Bethlehem Center | Majestic | $1,800,000$ | Cross |
| Entitled | Majestic Bethlehem Center | Majestic | 400,000 | Single |
| Entitled | Majestic Bethlehem Center | Hillwood | $1,020,000$ | Cross |
| Planned | West Hill | Hillwood | 550,000 | Cross |
| Planned | West Hill | Subject Property | 550,000 | Cross |
| Planned | East Allen Business Ctr. | Subject Property | 550,000 | Cross |
| Planned | East Allen Business Ctr. | $14,111,211$ |  |  |

14,111,211

## Competitive Strategy

The previous tables provide insight into what is likely to be developed in the Lehigh Valley over the next several years. This list was consolidated to properties that are expected to compete with the subject buildings. The table below includes the competitive set of properties along with comments regarding each comparable advantage or disadvantage. There are very few buildings that will be competitive against the subject 200,000 SF buildings, even less that can compete in the 50,000 - 100,000 SF leasehold range.

Larger leaseholds that are expected for the 550,000 SF buildings tend to generate more truck traffic forcing tenants to consider logistics costs when making real estate decisions. This provides an advantage to properties located close to trucking thoroughfares, of which there are five within a similar size range to the subject buildings. These five buildings are identified in bold text below. Of the four owners, Greenfield is known for selling entitled land rather than developing themselves. This increases the cost basis for the ultimate developer of the property. Arcadia has not been known to build on a speculative basis in the past. Prologis and Hillwood's intentions remain unknown, both have the capability of building speculatively. All of these competitive properties will be monitored closely prior to commencing speculative construction on the subject property.

## Competitive Set

|  | Ownerl <br> Developer | SF |  |
| :--- | :--- | :--- | :--- |
| Bethlehem Crossing 4 | Griffin Land | 228,000 | Owner new to market. Could be leased <br> 2011/2012. |
| Bethlehem Crossing 5 | Griffin Land | 303,600 | Same as above |
| Boulder \& Schantz Road | Majestic Realty | 276,400 | High basis |
| Hanoverville Road | Prologis | 294,440 | Does not subdivide well |
| Macungie Crossing | Panattoni | 210,000 | Low basis, inferior location |
| Newlins Mill | Norwood | 280,000 | Will not build speculative |
| West Hill | Hillwood | 300,000 | Parking oriented for two tenants (max.) |
| West Hill | Hillwood | 380,000 | Cross-dock, too small to compete with subject <br> cross-dock. |
| Industrial Park Way | Seagis | 535,000 | Partially leased in 2010 |
| Macungie Crossing | Panattoni | 580,000 | Inferior location, expected to lease in 2011 |
| Route 248 Dist. Ctr. | First Industrial | 700,000 | High basis |
| Hanoverville Road | Greenfield | 546,000 | Competitive. Equivalent location. |
| Hanoverville Road | Greenfield | 551,000 | Competitive. Equivalent location. |
| Hanoverville Road | Prologis | 405,211 | Competitive. Equivalent location. |
| Arcadia East - Lot 3 | Arcadia | 424,000 | Competitive. Slight inferior location. |
| Macungie Crossing | Panattoni | 400,000 | Inferior location |
| Majestic Bethlehem <br> Center | Majestic | 400,000 | Environmental Act II site. Superior location. <br> Competes with subdivided 550,000 building. |
| West Hill | Hillwood | 550,000 | Competitive. Western end of market area. |

## Development Issues

Development of this property provides many challenges such as assemblage of multiple property owners, rezoning, involvement from multiple municipalities, site access, utility extensions, offsite road improvements, and karst geology. The majority of the risks will be quantified or eliminated in the early stages of the development. The project schedule will be carefully planned to limit the amount of funds expended prior to resolving these risks. Skillfully negotiating land purchase agreements and governmental obligations will be the key to successfully developing the property.

A local real estate broker has identified four adjacent landowners who are willing to sell. They are asking a high price, but are willing to delay closing until rezoning and all entitlements are procured. They are willing to delay non-refundable earnest money until after certain entitlement contingencies are satisfied. Agreements will be negotiated to allow cross-closing contingencies for the buyer and provide ample time to procure approvals, with options to extend if approvals are not in hand.

As mentioned previously, land parcels that make up the subject property are comprised of three different zoning districts. A majority of the land area is zoned as agriculture/rural residential which does not allow warehouse and distribution buildings as a permitted use. A small portion of the property is currently zoned general industrial which does allow warehouse and distribution buildings as a permitted use. This designation is proposed to be expanded to include all land areas north of the creek. The creek, which is zoned as conservation, will serve as the buffer to other zoning districts south of the subject property. Jurisdiction for zoning changes is held by the elected five-member Board of Supervisors. A majority vote from the board is required to pass a zoning amendment. The board will conduct a public hearing, or multiple hearings, prior to voting on the amendment.

The process for amending a township's zoning map begins with an applicant filing a petition to amend zoning with the local municipality and payment of a nominal application fee. The township is not obligated to act on this petition. If they choose to act on the petition, the Township is required to follow state mandated procedures for taking action. Generally speaking, the process begins with an informal presentation to the Supervisors who will determine whether to proceed through the jurisdictional process for hearing the petition, or deny the petition altogether. If the petition is accepted, the proposed amendment will be forwarded to the Township's Planning Board and County Planning Board for review. Supervisors must allow at least 45 days for review prior to taking action on the matter. Any changes to the amendment causes another 45 day review cycle.

The Supervisors can act on the proposed amendment anytime after the 45 day review period by holding a public hearing. The public hearing is a former procedure where the applicant presents expert testimony supporting the amendment while interested parties have the opportunity to rebut the testimony. The Supervisors will vote on the amendment within 30 days of concluding the hearing, which then commences a 30 day appeal period. Both the applicant and Township must follow strict procedures for public notice and
hearing format or risk the entire decision being negated. Case law suggests that any procedural flaws can result in overturning any action taken if challenged. Appeal periods for procedural flaws do not expire.

The zoning amendment process is clouded by general opposition to development as most any large-scale development project would receive. The Township Supervisors' decision to rezone a parcel is entirely political. There are no technical standards that compel a board to vote in favor of the applicant as exist for land development approvals. For this reason, the developer must be very sensitive to current political headwinds and design the project to reduce any negative impacts perceived by adjacent landowners and the general public. Negative impacts from warehouse/distribution centers are typically noise from loading and unloading trucks, glare from exterior lights, truck traffic on adjacent highways and stormwater discharge. Most of these issues can be mitigated through proper design, yet it is challenging to convince the general public that mitigation strategies will work. Impacts from noise and exterior lighting will be mitigated by designing the site with a setback of 100’ from residential properties. A 15’ high landscaped berm will be constructed within the setback area to shield noise and light from adjacent properties. Noise from trucks will be further mitigated by designing the site such that the 38 ' tall buildings block the truck marshalling and loading areas from the adjacent residents. The side of the buildings facing residential areas will look and function much like an office building. Impacts from truck traffic will be mitigated by increasing capacity of local roads through widening projects and modifications to traffic signals. Impacts from stormwater will be completely mitigated through the use of onsite stormwater retention and infiltration facilities. Generally speaking, stormwater discharges from a properly designed and constructed business park are cleaner than stormwater discharges from existing farmland without proper control strategies. All of these mitigation strategies are required by the land development ordinance. As stated before, the challenge will be to convince the general public that the mitigation strategies will work.

The positive external impacts from development of warehouse/distribution buildings include increased net revenues for the school system and municipal government, and job creation for the surrounding community. A development such as this is expected to generate $\$ 1,800,000$ annually from tax revenue which is offset by $\$ 45,000$ annually for cost of services. This results in a net annual gain of $\$ 1,755,000$ for the schools, county and township governments. Services required for these facilities are very minor as they do not directly increase the number of children in the public school system, and they are expected to require only minimal services from fire and police services. A fiscal impact study will be presented during the zoning hearing to highlight the potential positive impacts of the development.

The subject property is located in close proximity to two adjacent townships with residents who will likely oppose the development. The development will be planned and designed carefully to avoid triggering the need for any approvals from the adjacent townships. It is expected that neighboring townships will present testimony in opposition to the project during the zoning hearings. A local land use attorney who is familiar with
the three municipalities will be retained to help navigate the zoning hearings and negotiations with adjacent townships.

Resolving access to the property is a significant hurdle for successful rezoning and development of the property. Rural roads to the east and south are not sufficient for the commercial truck traffic generated by the proposed development. The state highway west of the property is suitable for development traffic, yet will require easements from adjacent landowners, Norfolk Southern and approval from the PADOT. Offsite road improvements will be dictated by PADOT requirements for the access location chosen. Road improvements are likely to include lengthy road widening and multiple signal improvements. A traffic engineer familiar with this region will be retained during the early phases of the project for preliminary studies and construction budgets.

Multiple easements will be required for the successful development of the property. The most expansive easement will be the access easement referenced above. This easement requires approximately 60 ' wide strip of land across adjacent property to the south of the subject property and a railroad right-of-way owned by Norfolk Southern. The adjacent parcel is owned by the same owner as one of the parcels being purchased for development. This owner has a vested interest in seeing the development move forward so that he can sell his landlocked parcel. Norfolk Southern will likely require a bridge over their active rail line. Both of these easements will be secured prior to making significant non-refundable deposits on the land.

Additional easements will likely be required to reduce the construction cost and time of extending public utilities to the subject property. Extending water and sewer infrastructure nearly a mile from the current terminus to the property may require additional easements from private landowners. Landowners will receive benefit by having access to public water and sewer. Therefore, these landowners are expected to act rationally and negotiate in good faith. Multiple routing options are available for running water and sewer line extensions which will prevent any single landowner from charging exorbitant fees for an easement or stopping the development completely. Alternatives to negotiating with private landowners is running the lines under the road bed of the township maintained road (increasing construction cost), or in the right-of-way of the state highway (increasing permit time). Gas and electric utilities can be run in the access easement referenced above for access to existing facilities. Stormwater from the development will discharge into the creek that runs through the property. Easements for discharge of stormwater will not be required.

## Development Budget

A budget has been created for the project including all costs expected through stabilization of each building. The budget includes hard and soft costs for due diligence studies, design, entitlements, impact fees, offsite improvements, site construction, building construction, lease commissions, tenant improvements, interest carry and contingency funds. The budget was derived from conversations with engineers, architects, contractors and personal experience with similar projects. Budgets were created for multiple development scenarios.

Budget line items for tenant improvements were calculated based on the leasing assumptions for quantity and size of tenants in each respective building. Costs for this line item are explained below.

| Building \# | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Size of Building | 210,000 | 200,000 | 550,000 | 200,000 | 550,000 |
|  |  |  |  |  |  |
| Number of Tenants | 1 | 4 | 1 | 2 | 2 |
| Avg. Size of Leasehold | 210,000 | 50,000 | 550,000 | 100,000 | 275,000 |
| (\%) Office | $3.6 \%$ | $10.0 \%$ | $2.3 \%$ | $5.0 \%$ | $2.7 \%$ |
| Office Area | 7,500 | 20,000 | 12,500 | 10,000 | 15,000 |
| Warehouse Area | 202,500 | 180,000 | 537,500 | 190,000 | 535,000 |
|  |  |  |  |  |  |
| Demising Wall | - | 210,000 | - | 70,000 | 176,000 |
| *Office Improvements | 450,000 | $1,200,000$ | 750,000 | 600,000 | 900,000 |
| **WH Improvements | 303,750 | 270,000 | 537,500 | 285,000 | 588,500 |
| Total TI's | 753,750 | $1,680,000$ | $1,287,500$ | 955,000 | $1,664,500$ |
|  |  |  |  |  |  |
| Total TI's / SF | $\$ 3.59$ | $\$ 8.40$ | $\$ 2.34$ | $\$ 4.78$ | $\$ 3.03$ |

*Office improvement allowance of \$60 / SF
**Warehouse improvements unit cost varies with size

## Schedule

A development schedule has been created for the project to include due diligence, design, permitting and construction activities. The schedule was derived based on conservations with local engineers, land use attorneys and personal knowledge. The schedule emphasizes development activities leading to construction. It is anticipated for the contractor(s) to provide detailed project schedules for the construction phases of work.

Land development approvals required for full build-out will be procured prior to closing the land transaction to avoid governmental approval risk. This phase is expected to require nearly 18 months to design and navigate approvals required from various governmental agencies. The schedule has been designed to overcome the critical hurdles of zoning amendments and access concerns prior to fully commencing design activities incurring substantial cost. The schedule could be expedited with the understanding there
is greater risk to funds expended prior to these items being resolved. Commencement of vertical construction for each building will be based on market demand.

The permitting process is complex, requiring completion of certain steps prior to proceeding to the next one. Each activity on the schedule includes the estimated duration for completion and a link to other activities that need to precede it. Including logic with the schedule allows the user to quickly determine the impact of a delayed activity.

## Financial

Three options for financing the project were evaluated. The first option is using 100\% equity to fund the project. Advantages of this option include returning the highest net profit when compared to the other options due to lowest cost structure and reduced risk or cost variability associated with time-sensitive interest payments prior to stabilization of the project. The disadvantage of the all-equity strategy is a limited return-on-equity and the risk of placing a large proportion of equity into a single investment. The second option is to use utilize one single construction loan for the entire project. The disadvantage of this option is maintaining a relationship with the lender for nearly three years. This option will limit the ability to sell portions of the project as a single loan will encumber everything. The third option is to phase the project and procure construction financing at each phase. This option requires the least amount of equity of the three and provides the highest returns on equity for the three financing options. The table below depicts the proforma outcomes of the three options.

An alternative disposition strategy was analyzed along with the three different financing options. The first three financing options assume selling each individual asset upon full rent commencement. The alternative disposition strategy holds all of the buildings until the last building in the park is leased allowing for a portfolio transaction of $1,710,000 \mathrm{SF}$. The table below illustrates the portfolio disposition strategy to be the most advantageous with regard to return-on-equity and equity internal rate of return, however this strategy increases the equity requirement and increases capitalization rate risk by holding the properties longer.

|  |  | Project <br> Financing | Phased <br> Financing | Project <br> Financing - <br> Portfolio Sale |
| :--- | :--- | :--- | :--- | :--- |
|  | All Equity |  |  |  |

This analysis assume the phased financing model with single building sales will be most suitable for this developer due to lower equity requirements. The project will be funded
through a combination of developer's equity and construction loans to maximize return on the developer's limited equity. The project will be phased to reduce the initial equity requirement, allowing proceeds from Phase I to be reinvested in Phase II and III. Phasing the project also increases return on equity and internal rate of return for the developer as depicted in the table above.

Phase I of the project includes all due diligence studies, engineering, entitlements, land purchase, construction of Building 2, Building 3 and infrastructure required for the park. Proceeds from the sale of Building 2 and Building 3 will be used to repay the construction loan and fund a portion of the equity requirement for Phase II. Improved land for Phases II and III will be unencumbered upon repayment of loan for Phase I. Developer's contribution of unencumbered land for Phase II and Phase III will likely reduce the cash equity required, but has not been considered in the analysis.

For purposes of the analysis, it is assumed that the developer will fund $100 \%$ of cost for each phase until the equity requirement is satisfied. Proceeds from each phase will be reinvested into the next phase. The developer will charge the project a development fee of slightly less than $4 \%$ which will be drawn from the loan balance to fund the developer's operations.

The total expected cost of the development without financing is $\$ 84,146,198$. Financing costs add $\$ 3,337,325$ to the project for a total of $\$ 87,773,744$. Based on the current lending environment, it is assumed that construction loans can be procured to satisfy $70 \%$ of the development cost with an initial loan fee of $1 \%$. The remaining $30 \%$ of project cost will be supplied by the developer resulting in an initial equity requirement of $\$ 25,330,860$. By phasing construction of the development, the initial equity requirement can be reduced to $\$ 14,810,690$. Upon completion and disposition of buildings in Phase I, $\$ 4,234,600$ of the developer's equity will be returned. This equity is assumed to be reinvested in Phase II along with additional equity required.
The maximum equity balance required during the phased project is $\$ 18,580,744$.
Significant analysis has been performed to forecast the most likely financial results of the development, however long-term projects such as this rarely achieve the exact results modeled. Many variables of the model impact the financial performance of the development. Small changes to these variables result in large changes in financial outcome due to the $70 \%$ leverage which is assumed. Key variables of the proforma were modified to model the best-case, worst-case, and most probable case scenarios.

Determining a worst case scenario can be difficult, especially on the heels of a recession where developers experienced dramatic increases in lease-up periods, decreases in rental rates and increases in cap rates. The worst-case scenario caused by shifts in market demand or government approval risk is somewhat mitigated by postponing land closing until all development approvals are procured. This reduces entitlement risk to the cost of procuring entitlements and allows the developer to evaluate market conditions one last time prior to making significant capital outlays for land acquisition. The most vulnerable point of this development strategy is the period after commencing speculative
construction and prior to sale of the stabilized building. Some of the five buildings will likely perform better than proforma and some will perform worse. Evaluating key variables of the aggregate development proforma provides the best insight into aggregate worst-case scenarios. Below is a table containing key variables of the proforma along with the independent changes to each variable which would result in zero profit upon sale changes to the variables beyond this point will result in a loss of equity.

Break-Even Analysis

|  | Underwriting <br> Assumption | Independent Variable <br> to Break-Even | Variance |
| :--- | :---: | :---: | :---: |
| Rental Rate | $\$ 4.35$ | $\$ 3.97$ | $-8.55 \%$ |
| Cap Rate | $7.63 \%$ | $8.34 \%$ | $9.35 \%$ |
| Development Cost | $\$ 87,773,523$ | $\$ 95,983,325$ | $9.35 \%$ |

Modeling best-case scenarios is similarly difficult as variables could all change to benefit the developer such as decreased development costs, increased rental rates, or decreased cap rates. The most probable best-case scenario is for capital markets to stabilize as institutions begin to seek cash-flowing real estate for their portfolios. This market shift will create downward pressure on cap rates as buyers compete for high-quality assets. For the purposes of this analysis, it is assumed that the aggregate cap rate for the properties is decreased by fifty (50) basis points resulting in an aggregate capitalization rate of $7.13 \%$. The table below reflects a $6.61 \%$ reduction of capitalization rate yields an $82 \%$ increase in levered profits.

|  | Assumed | Best-case | Variance |
| :--- | :---: | :---: | :---: |
| Rent Revenue (NOI) | $\$ 7,431,500$ | $\$ 7,431,500$ | Same |
| Cap Rate | $7.63 \%$ | $7.13 \%$ | $-6.61 \%$ |
| Sale Price | $\$ 97,445,000$ | $\$ 104,288,095$ | $7.02 \%$ |
| Net Proceeds (before taxes) | $\$ 95,983,325$ | $\$ 102,723,774$ | $7.02 \%$ |
|  |  |  |  |
| Net Profit (Levered) | $\$ 8,209,802$ | $\$ 14,950,251$ | $82.10 \%$ |
| Margin on Sale - Levered (ROE) | $44.18 \%$ | $80.46 \%$ | $82.10 \%$ |

## Project Management Plan

The development team will consist of in-house staff, attorneys, civil engineer, architect, real estate brokers, and a general contractor. In-house staff will act as project manager for the development and coordinate activities of all outside consultants, contractors and brokers as well as procuring construction financing for the project. The internal project manager will be responsible for interfacing with municipalities and the public when necessary.

One or multiple attorneys will be retained by the project manager for the purposes of drafting and negotiating purchase and sale agreements with the landowners, navigating the entitlement approval process and drafting lease agreements. The ideal land use attorney will have local credibility and experience, and may not be the same attorney used for transactional work.

The civil engineer will retain the services of a surveyor and geotechnical, environmental, and traffic engineers. A design-build contractor will be retained by the project manager who will provide full design and construction services for the buildings. It is anticipated for the design-builder to work within the confines of a guaranteed maximum price arrangement with a shared savings clause. Using the design-build delivery system allows the developer to lock-in costs during design phases when proformas are being finalized and prior to making construction commitments.

The project manager will retain the services of a local leasing broker from a national brokerage company. The broker will be included with the project team early in the process to provide consultation regarding tenant trends and provide up-to-date market analysis based. The broker will begin marketing the property during the entitlement phase of the project in effort to secure leasing opportunities prior to construction.

## Conclusions and Recommendations

This development proposal can conservatively produce levered margins of $44.18 \%$, or a $15.78 \%$ levered internal rate of return. Sizable tracts of land in close proximity to infrastructure are very tough to find in Lehigh Valley. The ability to assemble four adjacent landowners who are simultaneously willing to sell their land provides a unique opportunity to develop such a large tract of land.

A development such as this does not come without substantial risks. The risks have been identified, underwritten and will be carefully managed to avoid negative impact to financial returns. A summary of the risks is outlined below.

Zoning Risk - This is the most substantial risk to the project as development cannot proceed with procuring a zoning map amendment. Fortunately, rezoning is the first step of the process allowing this risk to be overcome with a capital outlay of approximately $\$ 100,000$.

Entitlement Risk - All development projects contain some form of entitlement risk, whether it be Township land development approval or state highway occupancy permit. By rezoning the property, the township will be showing their acceptance of a development proposal such as this. The real risk is limited to additional approval obligations leading to increased construction cost or reduced building area on the property. Entitlement risks are mitigated by the conservative site plan used for underwriting purposes, and hiring local engineers and attorneys to navigate the process. Furthermore, closing the land transactions will be contingent upon securing all development approvals reducing entitlement risk to the design and attorneys fees expended, or approximately $\$ 500,000$.

Construction Cost Risk - The potential for construction cost overruns and escalations will exist throughout the project. The costs risk for infrastructure construction are mitigated by including contractor input and estimates during due diligence and design phases of the
project. Construction costs for each of the buildings will be evaluated against proforma lease rates and valuations prior to commencing construction. Construction services will be procured through the use of design-build delivery methods with cost guarantees. Construction cost escalation or inflation is inevitable on a long-term, phased project such as this. So long as construction cost escalation is spread across the market, market leasing rates and/or capitalization rates will fluctuate to compensate developers for meeting market demand.

Leasing Risk - Leasing risk can affect financial performance of the project in the form of downtime prior to building stabilization, or depreciated lease rates. Longer than expected downtime will lead to additional interest expenses, operating expenses and taxes on improved land. Financial models assume a lease-up period of approximately six months after construction completion. Downside risks occur when the lease-up period is extended, yet there is upside potential if the building or a portion of the building leases prior to the six month period. Rental income prior to building disposition was purposely ignored in the financial models as a conservative approach to underwriting lease-up risk. Depreciated leasing rates have a compounding effect on the building valuation as determined by market capitalization rates. This risk can be reduced by a thorough analysis of the leasing market and competitive properties just prior to commencing construction. Fast delivery cycles are one of the benefits of this type of real estate, limiting the amount of market changes that occur during the risky construction-tostabilization period.

Market Valuation - Market capitalization rates are correlated to the risk-free rate. The spread over the risk-free rate can fluctuate based on institutional demand for this asset class, strength of the local real estate market, or strength of the building lessee(s). Market capitalization rates will be evaluated prior to commencing construction of each building to verify proforma investment hurdles can be satisfied.

It is important to note that the risks identified above are inherent in most every development project that has been completed in Lehigh Valley and most other regions throughout the country. The proven track record of leasing demand countered with limited supply of land works in the favor of developers willing to accept these risks. Initial risk exposure can be limited to approximately $\$ 100,000$ for zoning risk, and $\$ 500,000$ for entitlement risk. Once entitled, the developer has the option of assigning land purchase contracts to a third party and walking away with a small profit, or continuing with the development as planned.

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Loopnet
www.loopnet.com, 3/12/2010

## Appendix A

Conceptual Site Plan
Alternative Site Plan
Existing Conditions Plan
Existing Utilities Map
Vicinity Maps


## Alternative Site Plan



PROPOSED WAREHOUSE DISTRIBUTION FACILITY ROUTE 512 - BETH BATH PIIE, EAST ALLEN TOWNSHIP
NORTHAMPTON COUNTY, PENNSYLVANIA

Vicinity Map

Easy access to consumer populations in New York, Philadelphia, Harrisburg and Baltimore
Vicinity Map

Road network in Lehigh Valley. Rt 22 and I-78 are major east/west corridor connecting Port of NY/NJ to major metropolitan areas south and west
Vicinity Map

Property provides easy access to Rt. 22, a limited access highway

## Appendix B

## Development Schedule



## Appendix C

## Development Budget

Development Budget
Scenario \#3, 1,710,000 SF

| Land Area (acres) Building Area Coverage ratio | $\begin{gathered} \text { Total } \\ 170 \\ 1,710,000 \mathrm{SF} \\ 23 \% \end{gathered}$ |  |  |  | $\begin{aligned} & \text { Building } 1 \\ & 20.88 \\ & 210,000 \mathrm{SF} \\ & 230 \end{aligned}$$23 \%$ |  |  |  | $\begin{gathered} \hline \text { Building 2 } \\ 19.88 \\ 200,000 \mathrm{SF} \\ 23 \% \end{gathered}$ |  |  |  | $\begin{gathered} \text { Building 3 } \\ 54.68 \\ 550,000 \mathrm{SF} \\ 23 \% \end{gathered}$ |  |  |  | $\begin{gathered} \text { Building } 4 \\ 19.88 \\ 200,000 \mathrm{SF} \\ 23 \% \end{gathered}$ |  |  |  | $\begin{gathered} \text { Building } 5 \\ 54.68 \\ 550,000 \text { SF } \\ 23 \% \end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Land / Due Diligence |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Land Purchase | \$ | 9.94 | \$ | 17,000,000 |  | 9.94 | \$ | 2,087,719 | \$ | 9.94 | \$ | 1,988,304 | \$ | 9.94 | \$ | 5,467,836 | \$ | 9.94 | \$ | 1,988,304 | \$ | 9.94 | \$ | 5,467,836 |
| Closing Cost | \$ | 0.10 | \$ | 170,000 | \$ | 0.10 | \$ | 20,877 | \$ | 0.10 | \$ | 19,883 | \$ | 0.10 | \$ | 54,678 | \$ | 0.10 | \$ | 19,883 | \$ | 0.10 | \$ | 54,678 |
| Legal - Land | \$ | 0.03 | \$ | 50,000 | \$ | 0.03 | \$ | 6,140 | \$ | 0.03 | \$ | 5,848 | \$ | 0.03 | \$ | 16,082 | \$ | 0.03 | \$ | 5,848 | \$ | 0.03 | \$ | 16,082 |
| Survey | \$ | 0.04 | \$ | 75,000 |  | 0.04 | \$ | 9,211 | \$ | 0.04 | \$ | 8,772 | \$ | 0.04 | \$ | 24,123 | \$ | 0.04 | \$ | 8,772 | \$ | 0.04 | \$ | 24,123 |
| Geotech | \$ | 0.04 | \$ | 75,000 | \$ | 0.04 | \$ | 9,211 | \$ | 0.04 | \$ | 8,772 | \$ | 0.04 | \$ | 24,123 | \$ | 0.04 | \$ | 8,772 | \$ | 0.04 | \$ | 24,123 |
| Environmental | \$ | 0.01 | \$ | 20,000 | \$ | 0.01 | \$ | 2,456 | \$ | 0.01 | \$ | 2,339 | \$ | 0.01 | \$ | 6,433 | \$ | 0.01 | \$ | 2,339 | \$ | 0.01 | \$ | 6,433 |
| Site Design | \$ | 0.22 | \$ | 376,200 | \$ | 0.22 | \$ | 46,200 | \$ | 0.22 | \$ | 44,000 | \$ | 0.22 | \$ | 121,000 | \$ | 0.22 | \$ | 44,000 | \$ | 0.22 | \$ | 121,000 |
| Offsite Road Improvements | \$ | 2.05 | \$ | 3,500,000 | \$ | 2.05 | \$ | 429,825 | \$ | 2.05 | \$ | 409,357 | \$ | 2.05 | \$ | 1,125,731 | \$ | 2.05 | \$ | 409,357 | \$ | 2.05 | \$ | 1,125,731 |
| Offsite Utilities |  | 0.73 | \$ | 1,250,000 |  | 0.73 | \$ | 153,509 | \$ | 0.73 | \$ | 146,199 | \$ | 0.73 | \$ | 402,047 | \$ | 0.73 | \$ | 146,199 | \$ | 0.73 | \$ | 402,047 |
| Total Land / Due Diligence / De | \$ | 13.17 | \$ | 22,516,200 |  | 13.17 | \$ | 2,765,147 | \$ | 13.17 | \$ | 2,633,474 |  | 13.17 | \$ | 7,242,053 |  | 3.17 | \$ | 2,633,474 |  | 13.17 | \$ | 7,242,053 |
| Hard Costs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Earthwork |  | 2.00 | \$ | 3,420,000 |  | 2.00 | \$ | 420,000 | \$ | 2.00 | \$ | 400,000 | \$ | 2.00 | \$ | 1,100,000 | \$ | 2.00 | \$ | 400,000 | \$ | 2.00 | \$ | 1,100,000 |
| Utilities | \$ | 1.00 | \$ | 1,710,000 | \$ | 1.00 | \$ | 210,000 | \$ | 1.00 | \$ | 200,000 | \$ | 1.00 | \$ | 550,000 | \$ | 1.00 | \$ | 200,000 | \$ | 1.00 | \$ | 550,000 |
| Paving/Lighting/Landscaping | \$ | 2.00 | \$ | 3,420,000 |  | 2.00 | \$ | 420,000 | \$ | 2.00 | \$ | 400,000 | \$ | 2.00 | \$ | 1,100,000 | \$ | 2.00 | \$ | 400,000 | \$ | 2.00 | \$ | 1,100,000 |
| Total Site Costs | \$ | 5.00 | \$ | 8,550,000 | \$ 5 | 5.00 | \$ | 1,050,000 | \$ | 5.00 | \$ | 1,000,000 | \$ | 5.00 | \$ | 2,750,000 | \$ | 5.00 | \$ | 1,000,000 | \$ | 5.00 | \$ | 2,750,000 |
| Shell Building Costs |  | 19.84 | \$ | 33,920,000 |  | 22.00 | \$ | 4,620,000 |  | 21.00 | \$ | 4,200,000 |  | 19.00 | \$ | 10,450,000 |  | 21.00 | \$ | 4,200,000 |  | 19.00 | \$ | 10,450,000 |
| Total Building Cosi | \$ | 19.84 | \$ | 33,920,000 |  | 22.00 | \$ | 4,620,000 | \$ | 21.00 | \$ | 4,200,000 |  | 19.00 | \$ | 10,450,000 |  | 21.00 | \$ | 4,200,000 |  | 19.00 | \$ | 10,450,00 |
| Tenant Improvements | \$ | 3.71 | \$ | 6,340,750 | \$ | 3.59 | \$ | 753,750 | \$ | 8.40 | \$ | 1,680,000 | \$ | 2.34 | \$ | 1,287,500 | \$ | 4.78 | \$ | 955,000 |  | 3.03 | \$ | 1,664,500 |
| Leasing Commissions | \$ | 1.40 | \$ | 2,394,705 |  | 1.36 | \$ | 286,498 | \$ | 1.64 | \$ | 327,426 | \$ | 1.28 | \$ | 706,213 | \$ | 1.62 | \$ | 324,216 | \$ | 1.36 | \$ | 750,352 |
| Total Tl's and LC's | \$ | 5.11 | \$ | 8,735,455 |  | 4.95 | \$ | 1,040,248 | \$ | 10.04 | \$ | 2,007,426 |  | 3.62 | \$ | 1,993,713 | \$ | 6.40 | \$ | 1,279,216 |  | 4.39 | \$ | 2,414,85 |
| Soft Cos |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Building Design | \$ | 0.65 | \$ | 1,119,000 | \$ | 0.90 | \$ | 189,000 | \$ | 0.95 | \$ | 190,000 | \$ | 0.50 | \$ | 275,000 | \$ | 0.95 | \$ | 190,000 | \$ | 0.50 | \$ | 275,000 |
| Other Consultants | \$ | 0.04 | \$ | 63,500 | \$ | 0.05 | \$ | 10,500 | \$ | 0.05 | \$ | 10,000 | \$ | 0.03 | \$ | 16,500 | \$ | 0.05 | \$ | 10,000 | \$ | 0.03 | \$ | 16,500 |
| Legal - Land Use | \$ | 0.08 | \$ | 136,800 | \$ | 0.08 | \$ | 16,800 | \$ | 0.08 | \$ | 16,000 | \$ | 0.08 | \$ | 44,000 | \$ | 0.08 | \$ | 16,000 | \$ | 0.08 | \$ | 44,000 |
| Legal - Leasing | \$ | 0.18 | \$ | 300,000 | \$ | 0.14 | \$ | 30,000 | \$ | 0.60 | \$ | 120,000 | \$ | 0.05 | \$ | 30,000 | \$ | 0.30 | \$ | 60,000 | \$ | 0.11 | \$ | 60,000 |
| Material Testing | \$ | 0.25 | \$ | 427,500 | \$ | 0.25 | \$ | 52,500 | \$ | 0.25 | \$ | 50,000 | \$ | 0.25 | + | 137,500 | \$ | 0.25 | \$ | 50,000 | \$ | 0.25 | \$ | 137,500 |
| Taxes During Construction | \$ | 0.10 | \$ | 171,000 | \$ | 0.10 | \$ | 21,000 | \$ | 0.10 | \$ | 20,000 | \$ | 0.10 | \$ | 55,000 | \$ | 0.10 | \$ | 20,000 | \$ | 0.10 | \$ | 55,000 |
| Marketing | \$ | 0.10 | \$ | 171,000 | \$ | 0.10 | \$ | 21,000 | \$ | 0.10 | \$ | 20,000 | \$ | 0.10 | \$ | 55,000 | \$ | 0.10 | \$ | 20,000 | \$ | 0.10 | \$ | 55,000 |
| Impact Fees | \$ | 0.30 | \$ | 513,000 | \$ | 0.30 | \$ | 63,000 | \$ | 0.30 | \$ | 60,000 | \$ | 0.30 | \$ | 165,000 | \$ | 0.30 | \$ | 60,000 | \$ | 0.30 | \$ | 165,000 |
| Site Development Fees | \$ | 0.20 | \$ | 342,000 | \$ | 0.20 | \$ | 42,000 | \$ | 0.20 | \$ | 40,000 | \$ | 0.20 | \$ | 110,000 | \$ | 0.20 | \$ | 40,000 | \$ | 0.20 | \$ | 110,000 |
| Building Permits | \$ | 0.35 | \$ | 598,500 | \$ | 0.35 | \$ | 73,500 | \$ | 0.35 | \$ | 70,000 | \$ | 0.35 | \$ | 192,500 | \$ | 0.35 | \$ | 70,000 | \$ | 0.35 | \$ | 192,500 |
| Development Fee |  | 1.84 | \$ | 3,145,000 |  | 2.00 | \$ | 420,000 | \$ | 2.00 | \$ | 400,000 |  | 1.75 | \$ | 962,500 | \$ | 2.00 | \$ | 400,000 | \$ | 1.75 | \$ | 962,500 |
| Total Soft Cost | \$ | 4.09 | \$ | 6,987,300 | \$ | 4.47 | \$ | 939,300 | \$ | 4.98 | \$ | 996,000 | \$ | 3.71 | \$ | 2,043,000 | \$ | 4.68 | \$ | 936,000 |  | 3.77 | \$ | 2,073,000 |
| Project Contingency (4\%) |  | 1.89 | \$ | 3,228,358 |  | 1.98 | \$ | 416,588 | \$ | 2.17 | \$ | 433,476 |  | 1.78 | \$ | 979,151 |  | 2.01 | \$ | 401,948 |  | 1.81 | \$ | 997,196 |
|  |  | 4.09 |  | 83,937, |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 |


| Building \# | 1 | 2 | 3 | 4 | 5 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Size of Building | 210,000 | 200,000 | 550,000 | 200,000 | 550,000 |
|  |  |  |  |  |  |
| Number of Tenants | 1 | 4 | 1 | 2 | 2 |
| Avg Size of Leasehold | 210,000 | 50,000 | 550,000 | 100,000 | 275,000 |
| (\%) Office | $3.6 \%$ | $10.0 \%$ | $2.3 \%$ | $5.0 \%$ | $2.7 \%$ |
| Office Area | 7,500 | 20,000 | 12,500 | 10,000 | 15,000 |
| Warehouse Area | 202,500 | 180,000 | 537,500 | 190,000 | 535,000 |
|  |  |  |  |  |  |
| Demising Wall | - | 210,000 | - | 70,000 | 176,000 |
| *Office Improvements | 450,000 | $1,200,000$ | 750,000 | 600,000 | 900,000 |
| **Warehouse Improvements | 303,750 | 270,000 | 537,500 | 285,000 | 588,500 |
| Total Tenant Improvements | 753,750 | $1,680,000$ | $1,287,500$ | 955,000 | $1,664,500$ |
|  |  |  |  |  |  |
| Total TI's / SF | $\$$ | 3.59 | $\$$ | 8.40 | $\$$ |

*Office improvement allowance of \$60 / SF
**Warehouse improvements unit cost varies with size

## Lease Commissions

| Building 1 |  | 210,000 |
| :--- | :--- | ---: |
| Rent yr 1 | $\$$ | 4.40 |
| Growth Rate |  | $2.00 \%$ |


| Year | Rental rate |  | Cum Rent |  | Comm. Rate | Commission |  |  |  |
| :---: | ---: | ---: | ---: | ---: | :---: | ---: | :--- | :--- | :--- |
| 1 | $\$$ | 4.40 | $\$$ | 924,000 | $8 \%$ | $\$$ | 73,920 |  |  |
| 2 | $\$$ | 4.49 | $\$$ | 942,480 | $7 \%$ | $\$$ | 65,974 |  |  |
| 3 | $\$$ | 4.58 | $\$$ | 961,330 | $6 \%$ | $\$$ | 57,680 |  |  |
| 4 | $\$$ | 4.67 | $\$$ | 980,556 | $5 \%$ | $\$$ | 49,028 |  |  |
| 5 | $\$$ | 4.76 | $\$$ | $1,000,167$ | $\underline{5} \%$ | $\$$ | 50,008 |  |  |
|  |  |  | $\$$ | $4,808,533$ | $6.17 \%$ | $\$$ | 296,610 | $\$$ | 1.41 |


| Building 2 |  | 200,000 |
| :--- | ---: | ---: |
| Rent yr 1 | $\$$ | 5.10 |
| Growth Rate | $2.00 \%$ |  |


| Year | Rental rate |  | Cum Rent |  | Comm. Rate | Commission |  |  |
| :---: | :---: | ---: | :--- | :---: | :---: | :---: | :---: | :--- |
| 1 | $\$$ | 5.10 | $\$$ | $1,020,000$ | $8 \%$ | $\$$ | 81,600 |  |
| 2 | $\$$ | 5.20 | $\$$ | $1,040,400$ | $7 \%$ | $\$$ | 72,828 |  |
| 3 | $\$$ | 5.31 | $\$$ | $1,061,208$ | $6 \%$ | $\$$ | 63,672 |  |
| 4 | $\$$ | 5.41 | $\$$ | $1,082,432$ | $5 \%$ | $\$$ | 54,122 |  |
| 5 | $\$$ | 5.52 | $\$$ | $1,104,081$ | $\underline{5} \%$ | $\$$ | 55,204 |  |
|  |  |  | $\$$ | $5,308,121$ | $6.17 \%$ | $\$$ | 327,426 | $\$$ |
|  |  |  |  |  | 1.64 |  |  |  |


| Building 3 |  | 550,000 |
| :--- | ---: | ---: |
| Rent yr 1 | $\$$ | 4.00 |
| Growth Rate | $2.00 \%$ |  |


| Year | Rental rate |  | Cum Rent |  | Comm. Rate | Commission |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $\$$ | 4.00 | $\$$ | $2,200,000$ | $8 \%$ | $\$$ | 176,000 |  |
| 2 | $\$$ | 4.08 | $\$$ | $2,244,000$ | $7 \%$ | $\$$ | 157,080 |  |
| 3 | $\$$ | 4.16 | $\$$ | $2,288,880$ | $6 \%$ | $\$$ | 137,333 |  |
| 4 | $\$$ | 4.24 | $\$$ | $2,334,658$ | $5 \%$ | $\$$ | 116,733 |  |
| 5 | $\$$ | 4.33 | $\$$ | $2,381,351$ | $\underline{5} \%$ | $\$$ | 119,068 |  |
|  |  |  | $\$$ | $11,448,888$ | $6.17 \%$ | $\$$ | 706,213 | $\$$ |
|  |  |  |  |  |  | 1.28 |  |  |

## Lease Commissions

| Building 4 |  | 200,000 |
| :--- | :--- | ---: |
| Rent yr 1 | $\$$ | 4.75 |
| Growth Rate |  | $2.00 \%$ |


| Year | Rental rate |  |  | Cum Rent | Comm. Rate | Commission |  |  |  |
| :---: | ---: | ---: | ---: | ---: | :---: | ---: | :--- | :--- | :--- |
| 1 | $\$$ | 4.75 | $\$$ | 950,000 | $8 \%$ | $\$$ | 76,000 |  |  |
| 2 | $\$$ | 4.85 | $\$$ | 969,000 | $7 \%$ | $\$$ | 67,830 |  |  |
| 3 | $\$$ | 4.94 | $\$$ | 988,380 | $6 \%$ | $\$$ | 59,303 |  |  |
| 4 | $\$$ | 5.04 | $\$$ | $1,008,148$ | $5 \%$ | $\$$ | 50,407 |  |  |
| 5 | $\$$ | 5.14 | $\$$ | $1,028,311$ | $\underline{5} \%$ | $\$$ | 51,416 |  |  |
|  |  |  | $\$$ | $4,943,838$ | $6.17 \%$ | $\$$ | 304,956 | $\$$ | 1.52 |


| Building 5 |  | 550,000 |
| :--- | ---: | ---: |
| Rent yr 1 | $\$$ | 4.25 |
| Growth Rate | $2.00 \%$ |  |


| Year | Rental rate |  | Cum Rent |  | Comm. Rate | Commission |  |  |
| :---: | :---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $\$$ | 4.25 | $\$$ | $2,337,500$ | $8 \%$ | $\$$ | 187,000 |  |
| 2 | $\$$ | 4.34 | $\$$ | $2,384,250$ | $7 \%$ | $\$$ | 166,898 |  |
| 3 | $\$$ | 4.42 | $\$$ | $2,431,935$ | $6 \%$ | $\$$ | 145,916 |  |
| 4 | $\$$ | 4.51 | $\$$ | $2,480,574$ | $5 \%$ | $\$$ | 124,029 |  |
| 5 | $\$$ | 4.60 | $\$$ | $2,530,185$ | $\underline{5 \%}$ | $\$$ | 126,509 |  |
|  |  |  | $\$$ | $12,164,444$ | $6.17 \%$ | $\$$ | 750,352 | $\$$ |
|  |  |  |  | 1.36 |  |  |  |  |

## Appendix D

Financial Analysis

|  |  | Timing |  |  | $\begin{gathered} 1 \\ \text { Mar-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 2 \\ \text { Apr-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 3 \\ \text { May- } 11 \\ \hline \end{gathered}$ | $\begin{gathered} 4 \\ \text { Jun- } 11 \\ \hline \end{gathered}$ | $\begin{gathered} 5 \\ \text { Jull-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 6 \\ \text { Aug-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 7 \\ \text { Sep-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 8 \\ \text { Oct-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 9 \\ \text { Nov-11 } \end{gathered}$ | $\begin{gathered} 10 \\ \text { Dec-11 } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Beginning Montil | Fotal Month | End Month |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | 1 | 12 | 12 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 |
| Land Purchase | \$17,170,000 | 12 | 1 | 12 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | 13 | 4 | 16 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | 9 | 3 | 11 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | 32 | 6 | 37 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | 13 | 6 | 18 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | 13 | 8 | 20 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | 27 | 6 | 32 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | 27 | 8 | 34 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | 40 | 6 | 45 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | 52 | 6 | 57 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | 0 | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 |  |  |  | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$149,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 |


| Building 1-210,000 sf | (\$12,135,200) | 43 | 1 | 43 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2-200,000 sf | (\$12,558,750) | 26 | 1 | 26 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | (\$28,893,333) | 24 | 1 | 24 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$11,696,875) | 38 | 1 | 38 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$30,699,167) | 44 | 1 | 44 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | 0 | 1 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | 0 | 1 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$95,983,325) |  |  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 OK |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NET MONTHLY CASH FLOW |  |  |  |  | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$149,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 |


| Construction Budget |  | $\begin{gathered} 11 \\ \text { Jan-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 12 \\ \text { Feb-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 13 \\ \text { Mar-12 } \end{gathered}$ | $\begin{gathered} 14 \\ \text { Apr-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 15 \\ \text { May-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 16 \\ \text { Jun-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 17 \\ \text { Jul-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 18 \\ \text { Aug-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 19 \\ \text { Sep-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 20 \\ \text { Oct-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 21 \\ \text { Nov-12 } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$49,683 | \$49,683 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Land Purchase | \$17,170,000 | \$0 | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$1,187,500 | \$1,187,500 | \$1,187,500 | \$1,187,500 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$49,683 | \$17,219,683 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$3,716,467 | \$3,816,467 | \$2,276,983 | \$2,276,983 | \$0 |


| Building 1-210,000 sf | (\$12,135,200) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2 - 200,000 sf | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | (\$28,893,333) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$30,699,167) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$95,983,325) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NET MONTHLY CASH FLOW |  | \$49,683 | \$17,219,683 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$3,716,467 | \$3,816,467 | \$2,276,983 | \$2,276,983 | \$0 |

PROJ ECT CASH FLOW
FINANCI AL ANALYSI S

| Construction Budget |  | $\begin{gathered} 22 \\ \text { Dec-12 } \end{gathered}$ | $\begin{gathered} 23 \\ \text { jan-13 } \end{gathered}$ | $\begin{gathered} 24 \\ \text { Feb-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 25 \\ \text { Mar-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 26 \\ \text { Apr-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 27 \\ \text { May-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 28 \\ \text { Jun-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 29 \\ \text { Jul-13 } \\ \hline \end{gathered}$ | $\begin{array}{r} 30 \\ \text { Aug-13 } \\ \hline \end{array}$ | $\begin{gathered} 31 \\ \text { Sep-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 32 \\ \text { oct-13 } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Land Purchase | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$60,000 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,382,509 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 |
| Building 5-550,000 sf | \$18,685,048 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,635,153 | \$3,635,153 | \$3,635,153 | \$3,695,153 | \$3,635,153 | \$5,017,662 |


| Building 1-210,000 sf | (\$12,135,200) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2-200,000 sf | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | (\$28,893,333) | \$0 | \$0 | (\$28,893,333) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$30,699,167) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$95,983,325) | \$0 | \$0 | (\$28,893,333) | \$0 | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NET MONTHLY CASH FLOW |  | \$0 | \$0 | (\$28,893,333) | \$0 | (\$12,558,750) | \$3,635,153 | \$3,635,153 | \$3,635,153 | \$3,695,153 | \$3,635,153 | \$5,017,662 |

PROJ ECT CASH FLOW
FINANCI AL ANALYSI S

| Construction Budget |  | $\begin{gathered} 33 \\ \text { Nov- } 13 \\ \hline \end{gathered}$ | $\begin{gathered} 34 \\ \text { Dec-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 35 \\ \text { Jan-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 36 \\ \text { Feb-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 37 \\ \text { Mar-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 38 \\ \text { Apr-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 39 \\ \text { May-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 40 \\ \text { Jun- } 14 \\ \hline \end{gathered}$ | $\begin{gathered} 41 \\ \mathrm{Jul}-14 \\ \hline \end{gathered}$ | $\begin{gathered} 42 \\ \text { Aug-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 43 \\ \text { Sep-14 } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Land Purchase | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$30,000 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | o | 0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$0 | \$0 | 0 | \$0 | \$0 | \$0 | 0 | \$0 | 0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | \$2,335,631 | \$2,335,631 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$3,718,140 | \$3,718,140 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$0 | \$0 | \$0 | \$0 | \$30,000 | \$0 |


| Building 1-210,000 sf | (\$12,135,200) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | 0 | \$0 | \$0 | (\$12,135,200) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2 - 200,000 sf | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | ( $\$ 28,893,333$ ) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$30,699,167) | \$0 | \$0 | \$0 | \$0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$95,983,325) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | (\$12,135,200) |

[^0]11.57\%
Proforma - All Equity Scenario
Scenario \#3, 1,710,000 SF

| Land Area (acres) Building Area | $\begin{gathered} \text { Total } \\ 170 \\ 1,710,000 \mathrm{SF} \end{gathered}$ |  |  | $\begin{gathered} \hline \text { Building } 1 \\ 20.88 \\ 210,000 \mathrm{SF} \end{gathered}$ |  |  | $\begin{gathered} \text { Building } 2 \\ 19.88 \\ 200,000 \mathrm{SF} \end{gathered}$ |  |  |  | $\begin{gathered} \hline \text { Building } 3 \\ 54.68 \\ 550,000 \mathrm{SF} \end{gathered}$ |  |  | $\begin{gathered} \hline \text { Building } 4 \\ 19.88 \\ 200,000 \mathrm{SF} \end{gathered}$ |  |  | $\begin{gathered} \hline \text { Building } 5 \\ 54.68 \\ 550,000 \mathrm{SF} \end{gathered}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Project Cost | \$ 49.21 | \$ | 84,146,198 | \$52.67 | \$ 1 | 11,060,199 |  | 56.35 | \$ | 11,270,376 | \$ 46.29 | \$ | 25,457,916 | \$ 52.15 | \$ | 10,430,607 | \$ 47.14 | \$ | 25,927,100 |
| Financing Expense |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Equity Contribution | \$ 49.21 | \$ | 84,146,198 | \$ 49.21 |  | 10,333,744 |  | 49.21 | \$ | 9,841,661 | \$ 49.21 | \$ | 27,064,567 | \$ 49.21 | \$ | 9,841,661 | \$ 49.21 | \$ | 27,064,567 |
| Construction Loan Value | \$ - | \$ |  | \$ - | \$ |  | \$ |  | \$ |  | \$ - | \$ |  | \$ . | \$ |  | \$ | \$ |  |
| Loan Fees | \$ . | \$ | - | \$ - | \$ |  | \$ | - | \$ | - | \$ - | \$ |  | \$ | \$ | . | \$ | \$ |  |
| Legal - Loan Doc's | \$ | \$ | - | \$ | \$ |  |  |  | \$ |  |  | \$ |  |  | \$ |  |  | \$ |  |
| Construction Loan Interest | \$ . | \$ | - | \$ | \$ |  | \$ |  | \$ | - | \$ - | \$ |  | \$ . | \$ |  | \$ . | \$ |  |
| Total Project Cost with financing |  | \$ | 84,146,198 | \$52.67 | \$ 1 | 11,060,199 | \$ | 56.35 | \$ | 11,270,376 | \$ 46.29 | \$ | 25,457,916 | \$ 52.15 | \$ | 10,430,607 | \$ 47.14 | \$ | 25,927,100 |
| Rent Revenue (NOI) | 4.35 | \$ | 7,431,500 | \$ 4.40 | \$ | 924,000 | \$ |  | \$ | 1,020,000 | \$ 4.00 | \$ | 2,200,000 | \$ 4.75 | \$ | 950,000 | \$ 4.25 | \$ | 2,337,500 |
| Cap Rate |  | 7.63 |  |  | 7.50 |  |  |  | 8.00\% |  |  | 7.50 |  |  | 8.00 |  |  |  |  |
| Sale Price |  | \$ | 97,445,000 | \$ 58.67 | \$ | 12,320,000 | \$ | 63.75 | \$ | 12,750,000 | \$ 53.33 | \$ | 29,333,333 | \$ 59.38 | \$ | 11,875,000 | \$ 56.67 |  | 31,166,667 |
| Cost of Sale | \$ 0.85 |  | 1,461,675 |  | \$ | $(184,800)$ |  |  | \$ | $(191,250)$ |  | \$ | $(440,000)$ |  | \$ | $(178,125)$ |  |  | $(467,500)$ |
| Net Proceeds (before taxes) | \$ 56.13 | \$ | 95,983,325 |  |  | 12,135,200 |  |  |  | 12,558,750 |  | \$ | 28,893,333 |  |  | 11,696,875 |  |  | 30,699,167 |
| Financial Analysis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 4.35 | \$ | 7,431,500 | \$ 4.40 | \$ | 924,000 | \$ | 5.10 | \$ | 1,020,000 | 4.00 | \$ | 2,200,000 | \$ 4.75 | \$ | 950,000 | \$ 4.25 | \$ | 2,337,500 |
| Yield (Un-levered) |  |  | 8.83\% |  |  | 8.35\% |  |  |  | 9.05\% |  |  | 8.64\% |  |  | 9.11\% |  |  | 9.02\% |
| Yield (Levered) |  |  | 8.83\% |  |  | 8.94\% |  |  |  | 10.36\% |  |  | 8.13\% |  |  | 9.65\% |  |  | 8.64 |
| Net Proceeds from Sale |  | \$ | 95,983,325 |  |  | 12,135,200 |  |  |  | 12,558,750 |  | \$ | 28,893,333 |  |  | 11,696,875 |  |  | 30,699,167 |
| Net Profit (Unlevered) |  | \$ | 11,837,127 |  |  | 1,075,001 |  |  |  | 1,288,374 |  | \$ | 3,435,417 |  |  | 1,266,268 |  |  | 4,772,066 |
| Margin on Sale (Unlevered) |  |  | 14.07\% |  |  | 9.72\% |  |  |  | 11.43\% |  |  | 13.49\% |  |  | 12.14\% |  |  | 18.41\% |
| Net Profit (Levered) |  |  | N/A |  |  | N/A |  |  |  | N/A |  |  | N/A |  |  | N/A |  |  | N/A |
| Margin on Sale - Levered (ROE) |  |  | N/A |  |  | N/A |  |  |  | N/A |  |  | N/A |  |  | N/A |  |  | N/A |

PROJ ECT CASH FLOW
FINANCI AL ANALYSI S

|  |  | Timing |  |  | $\begin{gathered} 1 \\ \text { Mar-11 } \end{gathered}$ | $\begin{gathered} 2 \\ \text { Apr-11 } \end{gathered}$ | $\begin{gathered} 3 \\ \text { May-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 4 \\ \text { Jun-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 5 \\ \text { Jul- } 11 \end{gathered}$ | $\begin{gathered} 6 \\ \text { Aug-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 7 \\ \text { Sep-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 8 \\ \text { Oct-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 9 \\ \text { Nov-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 10 \\ \text { Dec-11 } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Budget | Beginning Month | total Month | End Month |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | 1 | 12 | 12 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 |
| Land Purchase | \$17,170,000 | 12 | 1 | 12 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | 13 | 4 | 16 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | 9 | 3 | 11 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | 32 | 6 | 37 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | 13 | 6 | 18 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | 13 | 8 | 20 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | 27 | 6 | 32 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | 27 | 8 | 34 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | 40 | 6 | 45 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | 52 | 6 | 57 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | 0 | 0 | , | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 |  |  |  | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$149,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 |


| Building 1-210,000 sf | (\$12,135,200) | 43 |  | 43 | \$0 | 50 |  |  |  |  |  |  |  | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2 - 200,000 sf | (\$12,558,750) | 26 | 1 | 26 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | (\$28,893,333) | 24 | 1 | 24 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$11,696,875) | 38 | 1 | 38 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$30,699,167) | 44 | 1 | 44 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | 0 | 1 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | 0 | 1 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$95,983,325) |  |  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NET MONTHLY CASH FLOW |  |  |  |  | \$49,683 | \$49,683 | 683 | \$49,683 | \$49,683 | \$149,683 | \$49,683 | \$49,683 | \$49,683 |  |

IRR (unlevered) $\mathbf{1 1 . 5 7 \%}$ (Calculation based on Total Net Monthly Cash flow above)

PROJ ECT CASH FLOW
FINANCI AL ANALYSI S

| Construction Budget |  | $\begin{gathered} 11 \\ \text { Jan-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 12 \\ \text { Feb-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 13 \\ \text { Mar-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 14 \\ \text { Apr-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 15 \\ \text { May-12 } \end{gathered}$ | $\begin{gathered} 16 \\ \text { Jun-12 } \end{gathered}$ | $\begin{gathered} 17 \\ \text { Jul-12 } \end{gathered}$ | $\begin{gathered} 18 \\ \text { Aug-12 } \end{gathered}$ | $\begin{gathered} 19 \\ \text { Sep-12 } \end{gathered}$ | $\begin{gathered} 20 \\ \text { Oct-12 } \end{gathered}$ | $\begin{gathered} 21 \\ \text { Nov-12 } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$49,683 | \$49,683 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Land Purchase | \$17,170,000 | \$0 | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$1,187,500 | \$1,187,500 | \$1,187,500 | \$1,187,500 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$0 | 50 | 0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | 0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$49,683 | \$17,219,683 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$3,716,467 | \$3,816,467 | \$2,276,983 | \$2,276,983 | \$0 |


| Building 1-210,000 sf | (\$12,135,200) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2 - 200,000 sf | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | (\$28,893,333) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$30,699,167) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$95,983,325) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NET MONTHLY CASH FLOW |  | \$49,683 | \$17,219,683 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$3,716,467 | \$3,816,467 | \$2,276,983 | \$2,276,983 | \$0 |


PROJ ECT CASH FLOW
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| Construction Budget |  | $\begin{gathered} 22 \\ \text { Dec- } 12 \end{gathered}$ | $\begin{gathered} 23 \\ \text { Jan-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 24 \\ \text { Feb-13 } \end{gathered}$ | $\begin{gathered} 25 \\ \text { Mar-13 } \end{gathered}$ | $\begin{gathered} 26 \\ \text { Apr-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 27 \\ \text { May-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 28 \\ \text { Jun- } 13 \\ \hline \end{gathered}$ | $\begin{gathered} 29 \\ \mathrm{~J} \mathrm{ul}-13 \end{gathered}$ | $\begin{gathered} 30 \\ \text { Aug-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 31 \\ \text { Sep-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 32 \\ \text { Oct-13 } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Land Purchase | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$60,000 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,382,509 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 |
| Building 5-550,000 sf | \$18,685,048 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,635,153 | \$3,635,153 | \$3,635,153 | \$3,695,153 | \$3,635,153 | \$5,017,662 |


| Proceeds from Sale |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 1-210,000 sf | (\$12,135,200) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2-200,000 sf | $(\$ 12,558,750)$ | \$0 | \$0 | \$0 | \$0 | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | (\$28,893,333) | \$0 | \$0 | (\$28,893,333) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$30,699,167) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$95,983,325) | \$0 | \$0 | (\$28,893,333) | \$0 | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| \$0 |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NET MONTHLY CASH FLOW |  | \$0 | \$0 | (\$28,893,333) | \$0 | (\$12,558,750) | \$3,635,153 | \$3,635,153 | \$3,635,153 | \$3,695,153 | \$3,635,153 | \$5,017,662 |


PROJ ECT CASH FLOW
FINANCI AL ANALYSI S

| Construction Budget |  | $\begin{gathered} 33 \\ \text { Nov-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 34 \\ \text { Dec-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 35 \\ \text { Jan-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 36 \\ \text { Feb-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 37 \\ \text { Mar-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 38 \\ \text { Apr-14 } \end{gathered}$ | $\begin{gathered} 39 \\ \text { May-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 40 \\ \text { Jun-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 41 \\ \text { Jul-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 42 \\ \text { Aug-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 43 \\ \text { Sep-14 } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Land Purchase | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$30,000 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | \$2,335,631 | \$2,335,631 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$3,718,140 | \$3,718,140 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$0 | \$0 | \$0 | \$0 | \$30,000 | \$0 |


| Building 1-210,000 sf | (\$12,135,200) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | (\$12,135,200) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2 - 200,000 sf | (\$12,558,750) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | ( $\$ 28,893,333$ ) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | ( $\$ 30,699,167$ ) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$95,983,325) | \$0 | \$0 | \$0 | \$0 | \$0 | (\$11,696,875) | \$0 | \$0 | \$0 | \$0 | (\$12,135,200) |



\$84,436, 198 $\begin{array}{r}\$ 84,436,198 \\ \$ 25,330,860 \\ \$ 59,105,339 \\ \$ \$ 91,053 \\ \$ 40,000 \\ \$ 2,155,946 \\ \hline \$ 87,223,198\end{array}$
Proforma - Project Financing Scenario




| Levered Cash Flows |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Phase 1 (bldg's 2\&3) Project Cost | \$49,368,966 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Equity Contribution | \$14,810,690 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Loan amount | \$34,558,276 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cost of Loan | \$345,583 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Legal - Loan Doc's | \$40,000 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Construction Loan Interest | \$1,868,249 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phase 1 Levered Cost | \$51,622,798 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phase 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phase 1 Equity Loan 1 | \$10,576,090 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| LOAN BEG. O/S BALANCE |  | \$3,441,093 | \$8,365,133 | \$13,317,896 | \$18,299,550 | \$23,310,264 | \$27,162,708 | \$31,137,623 | \$33,596,243 | \$36,069,204 | \$36,279,607 | \$36,491,238 | \$36,704,104 | \$8,024,878 |
| MONTHLY LOAN PROCEEDS |  | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$3,716,467 | \$3,816,467 | \$2,276,983 | \$2,276,983 | \$0 | \$0 | \$0 | (\$28,893,333) | \$0 |
| NTEREST | 7.00\% | \$20,073 | \$48,797 | \$77,688 | \$106,747 | \$135,977 | \$158,449 | \$181,636 | \$195,978 | \$210,404 | \$211,631 | \$212,866 | \$214,107 | \$46,812 |
| RENTAL REVENUE |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| NET I INTEREST | \$1,868,249 | \$20,073 | \$48,797 | \$77,688 | \$106,747 | \$135,977 | \$158,449 | \$181,636 | \$195,978 | \$210,404 | \$211,631 | \$212,866 | \$214,107 | \$46,812 |
| OUTSTANDING BALANCE |  | \$8,365,133 | \$13,317,896 | \$18,299,550 | \$23,310,264 | \$27,162,708 | \$31,137,623 | \$33,596,243 | \$36,069,204 | \$36,279,607 | \$36,491,238 | \$36,704,104 | \$8,024,878 | \$8,071,690 | Phase 2 ( $\frac{\text { Phase } 2}{\text { Phase } 2 \text { (b }}$

Phase 2 (bldg's $4 \& 5$ ) Project cost
Equity Contribution

| Equity Contribution | $\$ 26,482,181$ |
| :--- | ---: |
| Loan amount | $\$ 7,944,654$ |
| Cost of Loan | $\$ 187,526$ |
| Legal - Loan Doc's | $\$ 20,000$ |
| Construction Loan I nterest | $\$ 828,570$ |
| Phase 2 Levered Cost | $\$ 27,516,126$ |
| Phase 2 Equity | $(\$ 15,025,291)$ |
| Loan 2 |  |
| LOAN BEG. O/S BALANCE |  |
| MONTHLY LOAN PROCEEDS |  |
| INTEREST |  |
| RENTAL REVENUE | $\$ 828,570$ |
| NET INTEREST |  |
| OUTSTANDING BALANCE |  |


| Equity Contribution | $\$ 26,482,181$ |
| :--- | ---: |
| Loan amount | $\$ 7,944,654$ |
| Cost of Loan | $\$ 187,526$ |
| Legal - Loan Doc's | $\$ 20,000$ |
| Construction Loan I nterest | $\$ 828,570$ |
| Phase 2 Levered Cost | $\$ 27,516,126$ |
| Phase 2 Equity | $(\$ 15,025,291)$ |
| Loan 2 |  |
| LOAN BEG. O/S BALANCE |  |
| MONTHLY LOAN PROCEEDS |  |
| INTEREST |  |
| RENTAL REVENUE | $\$ 828,570$ |
| NET INTEREST |  |
| OUTSTANDING BALANCE |  |


| Equity Contribution | $\$ 26,482,181$ |
| :--- | ---: |
| Loan amount | $\$ 7,944,654$ |
| Cost of Loan | $\$ 187,526$ |
| Legal - Loan Doc's | $\$ 20,000$ |
| Construction Loan I nterest | $\$ 828,570$ |
| Phase 2 Levered Cost | $\$ 27,516,126$ |
| Phase 2 Equity | $(\$ 15,025,291)$ |
| Loan 2 |  |
| LOAN BEG. O/S BALANCE |  |
| MONTHLY LOAN PROCEEDS |  |
| INTEREST |  |
| RENTAL REVENUE | $\$ 828,570$ |
| NET INTEREST |  |
| OUTSTANDING BALANCE |  |


| Phase 3 |  |
| :--- | ---: |
| Phase 3 (bldg 1) Project Cost | $\$ 8,295,052$ |
| Equity Contribution | $\$ 2,488,516$ |
| Loan amount | $\$ 5,806,536$ |
| Cost of Loan | $\$ 58,065$ |
| Legal - Loan Doc's | $\$ 20,000$ |
| Construction Loan Interest | $\$ 265,053$ |
| Phase 3 Levered Cost | $\$ 8,638,170$ |


| Equity Contribution | $\$ 26,482,181$ |
| :--- | ---: |
| Loan amount | $\$ 7,944,654$ |
| Cost of Loan | $\$ 187,526$ |
| Legal - Loan Doc's | $\$ 20,000$ |
| Construction Loan I nterest | $\$ 828,570$ |
| Phase 2 Levered Cost | $\$ 27,516,126$ |
| Phase 2 Equity | $(\$ 15,025,291)$ |
| Loan 2 |  |
| LOAN BEG. O/S BALANCE |  |
| MONTHLY LOAN PROCEEDS |  |
| INTEREST |  |
| RENTAL REVENUE | $\$ 828,570$ |
| NET INTEREST |  |
| OUTSTANDING BALANCE |  |


| Equity Contribution | $\$ 26,482,181$ |
| :--- | ---: |
| Loan amount | $\$ 7,944,654$ |
| Cost of Loan | $\$ 187,526$ |
| Legal - Loan Doc's | $\$ 20,000$ |
| Construction Loan I nterest | $\$ 828,570$ |
| Phase 2 Levered Cost | $\$ 27,516,126$ |
| Phase 2 Equity | $(\$ 15,025,291)$ |
| Loan 2 |  |
| LOAN BEG. O/S BALANCE |  |
| MONTHLY LOAN PROCEEDS |  |
| INTEREST |  |
| RENTAL REVENUE | $\$ 828,570$ |
| NET INTEREST |  |
| OUTSTANDING BALANCE |  |


| Equity Contribution | $\$ 26,482,181$ |
| :--- | ---: |
| Loan amount | $\$ 7,944,654$ |
| Cost of Loan | $\$ 187,526$ |
| Legal - Loan Doc's | $\$ 20,000$ |
| Construction Loan I nterest | $\$ 828,570$ |
| Phase 2 Levered Cost | $\$ 27,516,126$ |
| Phase 2 Equity | $(\$ 15,025,291)$ |
| Loan 2 |  |
| LOAN BEG. O/S BALANCE |  |
| MONTHLY LOAN PROCEEDS |  |
| INTEREST |  |
| RENTAL REVENUE | $\$ 828,570$ |
| NET INTEREST |  |
| OUTSTANDING BALANCE |  |

Phase 3 Equity $\quad(\$ 3,545,094)$
Phase 3 Equity
Loan 3
LOAN BEG. O/S BALANCE
MONTHLY LOAN PROCEEDS
INTEREST
RENTAL REVENUE
NET INTEREST
NET INTEREST
OUTSTANDING BALANCE
TOTAL MONTHLY EQUITY
05

## $\$ 14,810,690 \quad \$ 14,810,690$


$\begin{array}{cllllllllllll}\text { Cumulative E } & \$ 10,576,090 \\ \text { Maximum E } & \$ 14,211,243 & \$ 17,846,396 & \$ 18,520,744 & \$ 18,520,744 & \$ 18,520,744 & \$ 18,520,744 & \$ 18,520,744 & \$ 18,520,744 & \$ 18,520,744 & \$ 18,520,744 & \$ 18,520,744\end{array}$

Proforma - Phased Project Financing Scenario

| Land Area (acres) Building Area | $\begin{gathered} \hline \text { Total } \\ 170 \\ 1,710,000 \mathrm{SF} \end{gathered}$ |  |  |  | $\begin{gathered} \hline \text { Building } 1 \\ 20.88 \\ 210,000 \mathrm{SF} \end{gathered}$ |  |  | $\begin{gathered} \hline \text { Building } 2 \\ 19.88 \\ 200,000 \mathrm{SF} \end{gathered}$ |  |  |  | $\begin{gathered} \hline \text { Building } 3 \\ 54.68 \\ 550,000 \mathrm{SF} \end{gathered}$ |  |  |  | $\begin{gathered} \hline \text { Building } 4 \\ 19.88 \\ 200,000 \mathrm{SF} \end{gathered}$ |  |  |  | $\begin{gathered} \text { Building } 5 \\ 54.68 \\ 550,000 \mathrm{SF} \end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Project Cost | \$ | 49.21 | \$ | 84,146,198 | \$ 52.67 | \$ | 11,060,199 | \$ | 56.35 | \$ | 11,270,376 | \$ | 46.29 | \$ | 25,457,916 | \$ | 52.15 | \$ | 10,430,607 | \$ | 47.14 | \$ | 25,927,100 |
| Financing Expense |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Equity Contribution | \$ | 10.87 | \$ | 18,580,744 | \$ 10.87 | \$ | 2,281,846 | \$ | 10.87 | \$ | 2,173,186 | \$ | 10.87 | \$ | 5,976,263 | \$ | 10.87 | \$ | 2,173,186 | \$ | 10.87 | \$ | 5,976,263 |
| Construction Loan Value | \$ | 34.53 | \$ | 59,042,339 | \$ 34.53 | \$ | 7,250,814 | \$ | 34.53 | \$ | 6,905,537 | \$ | 34.53 | \$ | 18,990,226 | \$ | 34.53 | \$ | 6,905,537 | \$ | 34.53 | \$ | 18,990,226 |
| Loan Fees | \$ | 0.35 | \$ | 590,423 | \$ 0.35 | \$ | 72,508 | \$ | 0.35 | \$ | 69,055 | \$ | 0.35 | \$ | 189,902 | \$ | 0.35 | \$ | 69,055 | \$ | 0.35 | \$ | 189,902 |
| Legal - Loan Doc's | \$ | 0.05 | \$ | 80,000 | \$ 0.05 | \$ | 9,825 | \$ | 0.05 | \$ | 9,357 | \$ | 0.05 | \$ | 25,731 | \$ | 0.05 | \$ | 9,357 | \$ | 0.05 | \$ | 25,731 |
| Construction Loan Interest | \$ | 1.73 | \$ | 2,956,901 | \$ 1.73 | \$ | 363,128 | \$ | 1.73 | \$ | 345,836 | \$ | 1.73 | \$ | 951,050 | \$ | 1.73 | \$ | 345,836 | \$ | 1.73 | \$ | 951,050 |
| Total Project Cost with financing |  |  | \$ | 87,773,523 | \$ 54.79 | \$ | 11,505,660 | \$ | 58.47 | \$ | 11,694,624 | \$ | 48.41 | \$ | 26,624,600 | \$ | 54.27 | \$ | 10,854,855 | \$ | 49.26 | \$ | 27,093,784 |
| Rent Revenue ( NOI ) | \$ | 4.35 | \$ | 7,431,500 | \$ 4.40 | \$ | 924,000 | \$ | 5.10 | \$ | 1,020,000 | \$ | 4.00 | \$ | 2,200,000 | \$ | 4.75 | \$ | 950,000 | \$ | 4.25 | \$ | 2,337,500 |
| Cap Rate | 7.63\% |  |  |  | 7.50\% |  |  | 8.00\% |  |  |  | 7.50\% |  |  |  | 8.00\% |  |  |  | 7.50\% |  |  |  |
| Sale Price |  |  | \$ | 97,445,000 | \$ 58.67 | \$ | 12,320,000 | \$ | 63.75 | \$ | 12,750,000 | \$ | 53.33 | \$ | 29,333,333 | \$ | 59.38 | \$ | 11,875,000 | \$ | 56.67 | \$ | 31,166,667 |
| Cost of Sale | \$ | 0.85 |  | 1,461,675 |  | \$ | $(184,800)$ |  |  | \$ | $(191,250)$ |  |  | \$ | $(440,000)$ |  |  | \$ | $(178,125)$ |  |  | \$ | $(467,500)$ |
| Net Proceeds (before taxes) |  | 56.13 | \$ | 95,983,325 |  |  | 12,135,200 |  |  | \$ | 12,558,750 |  |  | \$ | 28,893,333 |  |  | \$ | 11,696,875 |  |  | \$ | 30,699,167 |
| Financial Analysis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NOI | \$ | 4.35 | \$ | 7,431,500 | \$ 4.40 | \$ | 924,000 | \$ | 5.10 | \$ | 1,020,000 | \$ | 4.00 | \$ | 2,200,000 | \$ | 4.75 | \$ | 950,000 | \$ | 4.25 | \$ | 2,337,500 |
| Yield (Levered) |  |  |  | 23.24\% |  |  | 23.72\% |  |  |  | 29.94\% |  |  |  | 20.17\% |  |  |  | 26.83\% |  |  |  | 22.39\% |
| Net Profit (Levered) |  |  | \$ | 8,209,802 |  | \$ | 629,540 |  |  | \$ | 864,126 |  |  | \$ | 2,268,734 |  |  | \$ | 842,020 |  |  | \$ | 3,605,383 |
| Margin on Sale - Levered (ROE) |  |  |  | 44.18\% |  |  | 27.59\% |  |  |  | 39.76\% |  |  |  | 37.96\% |  |  |  | 38.75\% |  |  |  | 60.33\% |


| Construction Budget |  | Timing |  |  | $\begin{gathered} \hline 1 \\ \text { Mar-11 } \\ \hline \end{gathered}$ | $\begin{gathered} 2 \\ \text { Apr-11 } \end{gathered}$ | $\begin{gathered} 3 \\ \text { May-11 } \end{gathered}$ | $\begin{gathered} 4 \\ \text { Jun- } 11 \end{gathered}$ | $\begin{gathered} 5 \\ \text { Jul-11 } \end{gathered}$ | $\begin{gathered} 6 \\ \text { Aug-11 } \end{gathered}$ | $\begin{gathered} 7 \\ \text { Sep-11 } \end{gathered}$ | $\begin{gathered} \hline 8 \\ \text { Oct-11 } \end{gathered}$ | $\begin{gathered} 9 \\ \text { Nov-11 } \end{gathered}$ | $\begin{gathered} 1010 \\ \text { Dec-11 } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost Line Item | Budget | Beginning Montil\| | Fotal Month | End Month |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | 1 | 12 | 12 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 |
| Land Purchase | \$17,170,000 | 12 | 1 | 12 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | 13 | 4 | 16 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | 9 | 3 | 11 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | 32 | 6 | 37 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | 13 | 6 | 18 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | 13 | 8 | 20 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | 27 |  | 32 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | 27 | 8 | 34 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | 0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | 40 | 6 | 45 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | 0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | 52 | 6 | 57 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | 0 | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 |  |  |  | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 | \$149,683 | \$49,683 | \$49,683 | \$49,683 | \$49,683 |



I RR (unlevered)
$70 \%$
$1.0 \%$
$\$ 84,436,198$
$\$ 25,330,860$ $\$ 25,330,860$
$\$ 59,105,339$
$\$ 591,053$
$\$ 591,053$
$\$ 40,000$
$\frac{(\$ 219,530)}{\$ 84,847,722}$

| Construction Budget |  | $\begin{gathered} 11 \\ \text { Jan-12 } \end{gathered}$ | $\begin{gathered} 12 \\ \text { Feb-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 13 \\ \text { Mar-12 } \end{gathered}$ | $\begin{gathered} 14 \\ \text { Apr-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 15 \\ \text { May-12 } \end{gathered}$ | $\begin{gathered} 16 \\ \text { Jun-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 17 \\ \mathrm{Jul}-12 \\ \hline \end{gathered}$ | $\begin{gathered} 18 \\ \text { Aug-12 } \end{gathered}$ | $\begin{gathered} 19 \\ \text { Sep-12 } \\ \hline \end{gathered}$ | $\begin{gathered} 20 \\ \text { Oct-12 } \end{gathered}$ | $\begin{gathered} 21 \\ \text { Nov-12 } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$49,683 | \$49,683 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Land Purchase | \$17,170,000 | \$0 | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$1,187,500 | \$1,187,500 | \$1,187,500 | \$1,187,500 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$100,000 | \$0 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$1,439,484 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$2,276,983 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | 0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$49,683 | \$17,219,683 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$4,903,967 | \$3,716,467 | \$3,816,467 | \$2,276,983 | \$2,276,983 | \$0 |


| Building 1-210,000 sf | (\$12,416,644) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2-200,000 sf | (\$13,706,685) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | (\$29,563,438) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$12,766,030) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$31,411,153) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$99,863,950) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NET MONTHLY CASH FLOW |  | \$49,683 | \$17,219,683 | \$4,903,967 | \$4,903,967 \| | \$4,903,967 | \$4,903,967 | \$3,716,467 | \$3,816,467 | \$2,276,983 | \$2,276,983 | \$0 |

or

| $\$ 19,904,677$ | $\$ 22,297,771$ | $\$ 24,704,824$ |
| ---: | ---: | ---: |
| $\$ 2,276,983$ | $\$ 2,276,983$ | $\$ 0$ |
| $\$ 116,111$ | $\$ 130,070$ | $\$ 144,111$ |
| $\$ 0$ | $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 0$ | $\$ 0$ |
| $\$ 116,111$ | $\$ 130,070$ | $\$ 144,111$ |
| $\$ 22,297,771$ | $\$ 24,704,824$ | $\$ 24,848,936$ |



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| 260,910 |
| :--- |
| 903,967 |
| $\$ 42,355$ |


| $\$ 0$ | $\$ 2,343,274$ |
| ---: | ---: |
| $\$ 2,343,274$ | $\$ 4,903,967$ |
| $\$ 0$ | $\$ 13,669$ |
| $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 0$ |
| $\$ 0$ | $\$ 13,669$ |
| $\$ 2,343,274$ | $\$ 7,260,910$ |



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| Construction Budget |  | $\begin{gathered} 22 \\ \text { Dec-12 } \end{gathered}$ | $\begin{gathered} 23 \\ \text { jan-13 } \end{gathered}$ | $\begin{gathered} 24 \\ \text { Feb-13 } \\ \hline \end{gathered}$ | $\begin{gathered} 25 \\ \text { Mar-13 } \end{gathered}$ | $\begin{gathered} 26 \\ \text { Apr-13 } \end{gathered}$ | $\begin{gathered} 27 \\ \text { May-13 } \end{gathered}$ | $\begin{gathered} 28 \\ \text { Jun-13 } \end{gathered}$ | $\begin{gathered} 29 \\ \text { Jul } 13 \end{gathered}$ | $\begin{gathered} 30 \\ \text { Aug-13 } \end{gathered}$ | $\begin{gathered} 31 \\ \text { sep-13 } \end{gathered}$ | $\begin{gathered} 32 \\ \text { Oct-13 } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Land Purchase | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$60,000 | \$0 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,382,509 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 | \$1,299,522 |
| Building 5-550,000 sf | \$18,685,048 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 | \$2,335,631 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,635,153 | \$3,635,153 | \$3,635,153 | \$3,695,153 | \$3,635,153 | \$5,017,662 |


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$\$ 38,898,242$
$\$ 3,635,153$
$\$ 226,906$
$\$ 0$
$(\$ 85,000)$
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$\$ 84,436,198$
$\$ 25,330,860$
$\$ 25,330,860$
$\$ 59,105,339$
$\$ 591,053$
$\$ 40,000$
$\begin{array}{r}\$ 40,000 \\ (\$ 219,530) \\ \hline \$ 84,847,722\end{array}$
\$84,847,722

Levered Cash Flows
Project Cost
Project Cost
Equity Contribu
Loan amount
Lost of Loan - Loan Doc's
Construction Loan Interest
Phase 1 Levered Cost

| Construction Budget |  | $\begin{gathered} 33 \\ \text { Nov- } 13 \\ \hline \end{gathered}$ | $\begin{gathered} 34 \\ \text { Dec-13 } \end{gathered}$ | $\begin{gathered} 35 \\ \text { Jan-14 } \end{gathered}$ | $\begin{gathered} 36 \\ \text { Feb-14 } \end{gathered}$ | $\begin{gathered} 37 \\ \text { Mar-14 } \end{gathered}$ | $\begin{gathered} 38 \\ \text { Apr-14 } \end{gathered}$ | $\begin{gathered} 39 \\ \text { May-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 40 \\ \text { Jun-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 41 \\ \text { Jul-14 } \end{gathered}$ | $\begin{gathered} 42 \\ \text { Aug-14 } \\ \hline \end{gathered}$ | $\begin{gathered} 43 \\ \text { Sep-14 } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost Line Item | Budget |  |  |  |  |  |  |  |  |  |  |  |
| Due Diligence / Design | \$596,200 | \$0 | \$0 | \$0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | 0 | 0 |
| Land Purchase | \$17,170,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Offsites | \$4,750,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Taxes on land prior to stabilization | \$290,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$30,000 | \$0 |
| Building 1-210,000 sf | \$8,295,052 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 2 - 200,000 sf | \$8,636,902 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | \$18,215,864 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | \$7,797,133 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | \$18,685,048 | \$2,335,631 | \$2,335,631 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | 0 | 0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  |  | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL | \$84,436,198 | \$3,718,140 | \$3,718,140 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$0 | \$0 | \$0 | \$0 | \$30,000 | \$0 |


| Building 1-210,000 sf | (\$12,416,644) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Building 2 - 200,000 sf | (\$13,706,685) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 3-550,000 sf | (\$29,563,438) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 4-200,000 sf | (\$12,766,030) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 5-550,000 sf | (\$31,411,153) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 6-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Building 7-200,000 sf | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | (\$99,863,950) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
|  | \$0 |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL NET MONTHLY CASH FLOW |  | ,140 | \$3,718,140 | \$1,382,509 | \$1,382,509 | \$1,382,509 | \$0 | \$0 | \$0 | \$0 | \$30,000 | \$0 |

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| LOAN BEG. O/S BALANCE |
| :--- |
| MONTHLY LOAN PROCEEDS |
| INTEREST |
| RENTAL REVENUE - BLDG 1 |
| RENTAL REVENUE - BLDG 2 |
| RENTAL REVENUE - BLDG 3 |
| RENTAL REVENUE - BLDG 4 |
| RENTAL REVENUE - BLDG 5 |
| NET INTEREST |
| OUTSTANDING BALANCE |

Proforma - Portfolio Sale

| Land Area (acres) Building Area | $\begin{gathered} \text { Total } \\ 170 \\ 1,710,000 \mathrm{SF} \end{gathered}$ |  |  |  | $\begin{gathered} \hline \text { Building } 1 \\ 20.88 \\ 210,000 \mathrm{SF} \end{gathered}$ |  |  | $\begin{gathered} \hline \text { Building } 2 \\ 19.88 \\ 200,000 \mathrm{SF} \end{gathered}$ |  |  |  | $\begin{gathered} \hline \text { Building } 3 \\ 54.68 \\ 550,000 \mathrm{SF} \end{gathered}$ |  |  | $\begin{gathered} \hline \text { Building } 4 \\ 19.88 \\ 200,000 \mathrm{SF} \end{gathered}$ |  |  | $\begin{gathered} \hline \text { Building } 5 \\ 54.68 \\ 550,000 \mathrm{SF} \end{gathered}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Project Cosi |  | 49.21 | \$ | 84,146,198 | \$ 52.67 | \$ | 11,060,199 |  | 56.35 | \$ 1 | 11,270,376 | \$ 46.29 | \$ | 25,457,916 | \$ 52.15 | \$ | 10,430,607 | \$ 47.14 | \$ | 25,927,100 |
| Financing Expense |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Equity Contribution |  | 14.81 | \$ | 25,330,860 | \$ 14.81 | \$ | 3,110,807 |  | 14.81 |  | 2,962,674 | \$ 14.81 | \$ | 8,147,352 | \$ 14.81 |  | 2,962,674 | \$ 14.81 | \$ | 8,147,352 |
| Construction Loan Value |  | 34.56 | \$ | 59,105,339 | \$ 34.56 | \$ | 7,258,550 | \$ | 34.56 | \$ | 6,912,905 | \$ 34.56 | \$ | 19,010,489 | \$ 34.56 | \$ | 6,912,905 | \$ 34.56 | \$ | 19,010,489 |
| Loan Fees |  | 0.35 | \$ | 591,053 | \$ 0.35 | \$ | 72,586 |  | 0.35 | \$ | 69,129 | \$ 0.35 | \$ | 190,105 | \$ 0.35 | \$ | 69,129 |  | \$ | 190,105 |
| Legal - Loan Doc's |  | 0.02 | \$ | 40,000 | \$ 0.02 | \$ | 4,912 |  | 0.02 | \$ | 4,678 | \$ 0.02 | \$ | 12,865 | \$ 0.02 | \$ | 4,678 | \$ 0.02 | \$ | 12,865 |
| Loan Interest (inc. prior to sale) |  | (0.13) | \$ | $(219,530)$ | \$ (0.13) | \$ | $(26,960)$ | \$ | (0.13) | \$ | $(25,676)$ | \$ (0.13) | \$ | $(70,609)$ | \$ (0.13) | \$ | $(25,676)$ | \$ (0.13) | \$ | $(70,609)$ |
| Total Project Cost with financins |  |  | \$ | 84,557,722 | \$ 5.91 | \$ | 11,110,737 | \$ | 56.59 | \$ | 11,318,507 | \$ 46.53 | \$ | 25,590,278 | \$ 52.39 | \$ | 10,478,738 | \$ 47.38 | \$ | 26,059,462 |
| Rent Revenue (NOI) | \$ | 4.35 | \$ | 7,431,500 | \$ 4.40 | \$ | 924,000 |  | 5.10 | \$ | 1,020,000 | \$ 4.00 | \$ | 2,200,000 | \$ 4.75 | \$ | 950,000 | \$ 4.25 | \$ | 2,337,500 |
| Cap Rate |  |  | 7.33 |  |  |  |  |  |  |  |  |  | 7.33 |  |  |  |  |  |  |  |
| Sale Price |  |  | \$ | 101,384,720 | \$ 60.03 | \$ | 12,605,730 | \$ | 69.58 | \$ | 13,915,416 | \$ 54.57 | \$ | 30,013,643 | \$ 64.80 | \$ | 12,960,437 | \$ 57.98 | \$ | 31,889,495 |
| Cost of Sale |  | 0.89 |  | 1,520,771 |  |  | $(189,086)$ |  |  | \$ | $(208,731)$ |  | \$ | $(450,205)$ |  | + | $(194,407)$ |  |  | $(478,342)$ |
| Net Proceeds (before taxes) |  | 58.40 | \$ | 99,863,950 |  |  | 12,416,644 |  |  |  | 13,706,685 |  |  | 29,563,438 |  |  | 12,766,030 |  |  | 31,411,153 |
| Financial Analysis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | \$ | 4.35 | \$ | 7,431,500 | \$ 4.40 | \$ | 924,000 | \$ | 5.10 | \$ | 1,020,000 | 4.00 | \$ | 2,200,000 | \$ 4.75 | \$ | 950,000 | \$ 4.25 | \$ | 2,337,500 |
| Yield (Un-levered) |  |  |  | 8.83\% |  |  | 8.35\% |  |  |  | 9.05\% |  |  | 8.64\% |  |  | 9.11\% |  |  | 9.02\% |
| Y |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Net Proceeds from Sale |  |  | \$ | 99,863,950 |  |  | 12,416,644 |  |  |  | 13,706,685 |  | \$ | 29,563,438 |  |  | 12,766,030 |  |  | 31,411,153 |
| Net Profit (Unlevered) |  |  | \$ | 15,717,751 |  |  | 1,356,445 |  |  |  | 2,436,309 |  | \$ | 4,105,521 |  | \$ | 2,335,423 |  | \$ | 5,484,052 |
| Margin on Sale (Unlevered) |  |  |  | 18.68\% |  |  | 12.26\% |  |  |  | 21.62\% |  |  | 16.13\% |  |  | 22.39\% |  |  | 21.1 |
| Net Profit (Levered) Margin on Sale - Levered (ROE) |  |  | \$ | 15,306,228 |  |  | 1,305,907 |  |  |  | 2,388,178 |  | \$ | 3,973,160 |  |  | 2,287,292 |  | \$ | 5,351,691 |
|  |  |  |  | 60.43\% |  |  | 41.98\% |  |  |  | 80.61\% |  |  | 48.77\% |  |  | 77.20\% |  |  | 65.69\% |

## Appendix E

Lease Comparables
Absorption and Construction Data
Building Sale Comparables
Land Sale Comparables
Development Pipeline
Brokerage Market Reports
Leasehold Size: 10,000-100,000 SF

Leasehold Size: 100,000-200,000 SF

| Tenant | Address | Township | Date | Size (sf) |  | Rate |  | Term |  | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Compuspar USA | 7384 Penn Drive | Fogelsville | Mar-05 | 112,000 |  | \$4.25 |  | 7.0 |  | 3\% Annual |
| DHL Express | 7339 Industrial Drive | Allentown | May-05 | 178,048 |  | \$4.30 |  | 1.5 |  |  |
| Nexus Distribution Corp | 860 Nestle Way | Allentown | Oct-05 | 197,400 |  | \$4.25 |  | 1.0 |  |  |
| Siemens | 6755 Snowdrift Rd. | Fogelsville | Feb-06 | 125,000 |  | \$4.15 |  | 10.0 |  | $2 \%$ bumps; includes 6 month of free rent |
| Stroeber Haddonfield | 600 Kuebler Road | Forks Township | Jun-06 | 146,908 |  | \$2.75 |  | 12.0 |  | \$3.07 avg over 12 years |
| Lighting Source | 860 Nestle Way | Fogelsville | Dec-06 | 130,000 |  | \$3.85 |  | 7.0 |  | 2\% Bumps |
| Melting Partners LLC | 3700 Glover Rd | Easton | Jun-07 | 120,000 |  | \$4.25 |  | 3.0 |  | Flat; As-ls w/ purchase option |
| S\&L Plastics | 2860 Bath Pike | Upper Nazareth | Jul-07 | 127,500 |  | \$3.75 |  | 10.0 |  | 2\% Annual |
| Fisher Scientific | 700 Nestle Way | Fogelsville | Oct-07 | 188,695 |  | \$4.00 |  | 5.0 |  | 2nd \$4.20; 3\% there after |
| Crayola | 2685 Brodhead Road | Bethlehem | Jan-08 | 137,500 |  | \$5.25 |  | 5.0 |  |  |
| Binney \& Smith | 2685 Opus Way | Bethlehem | Mar-08 | 137,500 |  | \$5.25 |  | 5.0 |  | $3 \%$ annual increase |
| Western Power Sports (Sub) | 1480 Zeager Road | Elizabethtown | 6/1/2008 | 144,000 |  | \$4.75 |  | 15.0 |  |  |
| BMS | 7485 Industrial Road | Fogelsville | Aug-08 | 100,000 |  | \$4.25 |  | 5.2 |  | \$. 10 bumps; 2 free months; T-5 lighting |
| Porsche | Chrin Commerce Center | Palmer | Nov-08 | 130,000 |  | \$6.33 |  | 10.0 |  | BTS, ASTI, 1-5 \$6.33; \$6.45 6-10 |
| Derby Industries, LLC | 7108 Daniels Drive | Allentown | Nov-08 | 101,250 |  | \$4.00 |  | 5.0 |  | 2.5\% bumps |
| Olympus | Nestle Way | Fogelsville | Apr-09 | 119,000 |  | \$4.95 |  | 7.0 |  | 2\% increases; $\$ 4.00 \mathrm{psf}$ in Tl |
| Warehouse Specialists, Inc. | 651 Boulder Drive | Fogelsville | Jun-09 | 168,000 |  | \$3.85 |  | 3.0 |  | $2 \%$ increases; gross deal; as-is |
| Johnstone Supply Co | 8000 Quarry Road | Lower Macungie | Jun-09 | 156,000 |  | \$3.90 |  | 10.0 |  | 2\% increases; Yr. 1\&2 \$3.70, Yr. 3 3.95; 7 months free rent |
| JM Rapp | 6923 Schantz Road |  |  | 100,000 |  |  |  |  |  |  |
| BMS Logistics | Lehigh Valley Distrib Ctr \#8 |  |  | 103,704 |  |  |  |  |  |  |
| ICO Polymers | 6355 Farm Bureau Road |  |  | 127,000 |  |  |  |  |  |  |
| Moore Wallace | Lehigh Valley West II |  |  | 188,695 |  |  |  |  |  |  |
| Tota |  |  | ing Activity | 3,038,200 |  |  |  |  |  |  |
|  |  |  | Average | 138,100 | \$ |  | 4.34 |  | . 76 |  |
|  |  |  | Median | 130,000 | \$ |  | 4.25 |  | . 10 |  |

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Leasehold Size: 200,000-400,000 SF

| Tenant | Address | Township | Date | Size (sf) | Rate | Term | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Surefit | 7132 Daniels Drive | Fogelsville | Jan-06 | 289,000 | \$4.00 | 5.0 | \$. 10 bumps |
| Sephora | 1139 Lehigh Avenue | Allentown | Jan-06 | 316,000 | \$5.19 | 5.0 |  |
| Nexus | 7248 Industrial Drive | Fogelsville | Aug-06 | 201,600 | \$3.75 | 5.0 | 2 Free Months |
| Menlo Logistics | 8150 Industrial Drive | Fogelsville | Oct-06 | 246,000 | \$4.00 | 5.0 | 2\% Bumps |
| Moore Wallace State Printing | 700 Nestle Way | Breinigsville | Mar-07 | 251,000 | \$4.02 | 9.0 |  |
| Amer Tac | 250 Boulder Drive | Fogelsville | May-07 | 210,000 | \$4.50 | 10.0 | 2\% Bumps |
| TEVA Pharmaceuticals | 9747 Commerce Circle | New Smithville | Mar-08 | 385,000 | \$4.34 | 6.3 |  |
| Teva | 9747 Commerce Circle | Kutztown | Sep-08 | 211,134 | \$4.30 | 6.3 | 2.5\% Bumps; \$2.88 TI |
| Cooper Tire | 8000 Quarry Road | Lower Macungie | Oct-08 | 362,250 | \$4.30 | 7.7 |  |
| Osburn Hessey (kehe Foods) | 615 Boulder Lane | Fogelsville | Jan-09 | 289,000 | \$4.00 | 10.0 | $2 \%$ annual increases. $\$ 2,000,000$ in amortized TI. |
| Tree of Life | 7335 Alburtis Road | Lower Macungie | Feb-09 | 245,000 | \$5.30 | 10.5 | 6 mos free rent, \$1.5 milllion ASTI; $\$ 5.65$ avg over term |
| DSC Logistics | 705 Boulder Drive | Breinigsville | Jul-09 | 243,260 | \$3.60 | 0.4 | Renewal, 4 mo term, then month-to-month |
| Total Leasing Activity 3,249,244 |  |  |  |  |  |  |  |
|  |  |  | Average | 270,770 | 4.28 |  |  |
|  |  |  | Median | 251,000 | 4.30 |  |  |
|  |  | Transaction Summary |  |  |  |  |  |
|  |  |  | 2005 | - |  |  |  |
|  |  |  | 2006 | 4 | 1,113,384 |  |  |
|  |  |  | 2007 | 2 | 526,000 |  |  |
|  |  |  | 2008 | 3 | 735,600 |  |  |
|  |  |  | 2009 | 3 | 874,260 |  |  |
|  |  |  |  | 12 | 3,249,244 |  |  |
|  |  |  | g SF Leased | Year | 812,311 |  |  |

Leasehold Size: 400,000-1,100,000 SF


## LEHIGH VALLEY

Absorption
Construction
Vacancy

| 1990 | 250,000 | 500,000 | $6.5 \%$ |
| :--- | ---: | ---: | ---: |
| 1991 | 370,000 | 500,000 | $7.0 \%$ |
| 1992 | $(40,000)$ | - | $7.2 \%$ |
| 1993 | $1,120,000$ | $1,500,000$ | $8.5 \%$ |
| 1994 | 810,000 | $1,000,000$ | $9.0 \%$ |
| 1995 | $1,760,000$ | $1,500,000$ | $7.3 \%$ |
| 1996 | 490,000 | 500,000 | $7.2 \%$ |
| 1997 | 270,000 | 500,000 | $8.0 \%$ |
| 1998 | 840,000 | $1,000,000$ | $8.3 \%$ |
| 1999 | $1,230,000$ | $1,200,000$ | $7.8 \%$ |
| 2000 | 870,000 | $1,000,000$ | $8.0 \%$ |
| 2001 | $1,510,000$ | $1,800,000$ | $8.5 \%$ |
| 2002 | 950,000 | $1,200,000$ | $9.0 \%$ |
| 2003 | $1,270,000$ | $1,500,000$ | $9.3 \%$ |
| 2004 | $1,930,000$ | $2,200,000$ | $9.5 \%$ |
| 2005 | $2,650,000$ | $2,200,000$ | $7.7 \%$ |
| 2006 | 880,000 | $2,300,000$ | $10.9 \%$ |
| 2007 | $4,320,000$ | $3,800,000$ | $8.7 \%$ |
| 2008 | $(670,000)$ | $2,900,000$ | $16.0 \%$ |
| 2009 | $(26,814)$ | 754,814 | $16.0 \%$ |


|  | Average | Average |
| :--- | ---: | ---: |
|  | Absorption | Construction |
| 5yr Avg '03-07 | $2,210,000$ | $2,400,000$ |
|  |  |  |
| 5yr Avg | $1,430,637$ | $2,390,963$ |
| 1 yyr Avg | $1,368,319$ | $1,965,481$ |
| $15 y r$ Avg | $1,218,212$ | $1,623,654$ |
| $20 y r$ Avg | $1,039,159$ | $1,392,741$ |

LEHIGH VALLEY PENNSYLVANIA


Appendix:
Direct Net Absorption / Direct Net Leasing / New Construction 1998-2009
Source: Costar

|  | Building Size: 100,001-200,000 SF |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | \# Bldgs | Total RBA | Direct Net Absorption | Direct SF Leased | Construction Activity | RBA Growth |
| 2009 | 83 | 11,049,970 | $(55,746)$ | 141,804 | 130,000 | 1.2\% |
| 2008 | 82 | 10,919,970 | 232,877 | 464,644 | 0 | 0.0\% |
| 2007 | 82 | 10,919,970 | $(96,713)$ | 961,285 | 119,900 | 1.1\% |
| 2006 | 81 | 10,800,070 | 402,406 | 305,770 | 0 | 0.0\% |
| 2005 | 81 | 10,800,070 | 232,944 | 620,639 | 149,860 | 1.4\% |
| 2004 | 80 | 10,650,210 | $(61,750)$ | 406,097 | 0 | 0.0\% |
| 2003 | 80 | 10,650,210 | (277,726) | 400,788 | 0 | 0.0\% |
| 2002 | 80 | 10,650,210 | (293,601) | 291,832 | 122,400 | 1.1\% |
| 2001 | 79 | 10,527,810 | 713,936 | 111,800 | 513,410 | 4.9\% |
| 2000 | 75 | 10,014,400 | $(129,866)$ | 643,751 | 187,600 | 1.9\% |
| 1999 | 74 | 9,826,800 | 181,380 | 665,139 | 160,000 | 1.6\% |
| 1998 | 73 | 9,666,800 | 352,388 | 582,304 | 0 |  |
| Average Median |  |  | $\begin{array}{r} 100,044 \\ 62,817 \end{array}$ | $\begin{array}{r} 466,321 \\ 435,371 \\ \hline \end{array}$ | $\begin{aligned} & \hline 115,264 \\ & 121,150 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1.2 \% \\ & 1.1 \% \\ & \hline \end{aligned}$ |

Building Size: 200,001-400,000 SF

| Period | \# Bldgs | Total RBA | Direct Net Absorption | Direct SF Leased | Construction Activity | RBA Growth |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2009 | 54 | 14,837,136 | 183,599 | 228,000 | 228,000 | 1.5\% |
| 2008 | 53 | 14,609,136 | 875,133 | 1,399,202 | 673,375 | 4.6\% |
| 2007 | 51 | 13,935,761 | 124,646 | 330,357 | 1,234,246 | 8.9\% |
| 2006 | 47 | 12,701,515 | 37,290 | 1,038,494 | 0 | 0.0\% |
| 2005 | 47 | 12,701,515 | $(144,201)$ | 758,453 | 235,600 | 1.9\% |
| 2004 | 46 | 12,465,915 | 210,376 | 277,101 | 836,535 | 6.7\% |
| 2003 | 43 | 11,629,380 | 420,195 | 689,000 | 0 | 0.0\% |
| 2002 | 43 | 11,629,380 | 342,222 | 410,000 | 0 | 0.0\% |
| 2001 | 43 | 11,629,380 | 471,407 | 411,103 | 597,500 | 5.1\% |
| 2000 | 41 | 11,031,880 | $(253,521)$ | 645,704 | 0 | 0.0\% |
| 1999 | 41 | 11,031,880 | 373,664 | 244,400 | 492,850 | 4.5\% |
| 1998 | 39 | 10,539,030 | 659,964 | 260,482 | 0 |  |
| Average |  |  | 275,065 | 557,691 | 358,176 | 3.0\% |
| Median |  |  | 276,299 | 410,552 | 231,800 | 1.9\% |

Direct Net Absorption / Direct Net Leasing / New Construction 1998-2009
Source: Costar

|  | Building Size: 400,000+ SF |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Period | \# Bldgs | Total RBA | Direct Net Absorption | Direct SF Leased | Construction Activity | RBA Growth |
| 2009 | 44 | 29,373,088 | 1,516,482 | 2,235,922 | 0 | 0.0\% |
| 2008 | 44 | 29,373,088 | 1,160,815 | 1,883,676 | 3,537,000 | 12.0\% |
| 2007 | 39 | 25,836,088 | $(808,918)$ | 1,945,295 | 870,000 | 3.4\% |
| 2006 | 38 | 24,966,088 | 3,885,466 | 2,310,166 | 2,936,843 | 11.8\% |
| 2005 | 33 | 22,029,245 | 2,711,796 | 1,506,932 | 2,853,869 | 13.0\% |
| 2004 | 30 | 19,175,376 | 2,140,120 | 1,106,050 | 1,000,000 | 5.2\% |
| 2003 | 29 | 18,175,376 | 836,258 | 806,500 | 607,608 | 3.3\% |
| 2002 | 28 | 17,567,768 | $(723,150)$ | 1,697,058 | 0 | 0.0\% |
| 2001 | 28 | 17,567,768 | 923,862 | 196,350 | 656,862 | 3.7\% |
| 2000 | 27 | 16,910,906 | 595,892 | 1,864,905 | 1,937,162 | 11.5\% |
| 1999 | 24 | 14,973,744 | 851,650 | 653,490 | 929,000 | 6.2\% |
| 1998 | 22 | 14,044,744 | 2,177,447 | 919,000 | 0 |  |
| Average |  |  | 1,272,310 | 1,427,112 | 1,277,362 | 6.4\% |
| Median |  |  | 1,042,339 | 1,601,995 | 899,500 | 5.2\% |

Recent Building Sales

| Address | Town | Size (sf) | Sale Date | Buyer | Seller | Price | \$/sf |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 140 Mickley Road | Whitehall | 150,000 |  | Protica, Inc. | Saputo Cheese USA | $\$ 2,400,000$ | $\$ 16.00$ |
| 1002 Patriot Drive | Muhlenberg Twp | 609,000 | Jun-06 | Brasler Prop \& Endurance RE | GE Capital | $\$ 32,000,000$ | $\$ 53.00$ |
| 9784 Commerce Circle | Weisenberg | 95,106 | Aug-06 | Genworth Life | Skeans | $\$ 7,400,000$ | $\$ 77.81$ |
| 9750 Commerce Circle | Weisenberg | 498,988 | Sep-06 | Dividend Capital | Arcadia West Assoc | $\$ 29,975,000$ | $\$ 60.07$ |
| 9775 Commerce Circle | Weisenberg | 224,000 | Dec-06 | Gugenheim Partners | Arcadia West Assoc | $\$ 12,250,000$ | $\$ 54.69$ |
| 200 Cascade | Allentown | 550,000 | Jan-07 | First Industrial Realty | Conewago Equities | $\$ 25,000,000$ | $\$ 45.45$ |
| 795 Roble Road | Allentown | 198,000 | Feb-07 | ABR Realty, LLC | JG Petrucci Co., Inc. | $\$ 6,475,000$ | $\$ 32.70$ |
| 9750 Commerce Drive | Lehigh Valley | 503,423 | Apr-07 | Divident Capital Trust | Higgins Development Partners | $\$ 29,900,000$ | $\$ 59.54$ |
| 2410 Northampton St | Easton | 306,500 | Oct-07 | Safavieh Carpets | JG Petrucci Co., Inc. | $\$ 8,800,000$ | $\$ 28.71$ |
| 7132 Daniels Drive | Upper Macungie | 289,800 | Nov-07 | 7132 Daniels Dr Associates LP | Liberty Property Trust | $\$ 13,775,000$ | $\$ 47.53$ |
| 3747 Hecktown Road | Easton | 232,180 | Nov-07 | Phillips Feed \& Pet Supply | Supervalu Holdings-PA, LLC | $\$ 10,039,925$ | $\$ 43.24$ |
| 7130 Ambassador Dr | Allentown | 114,049 | Jan-08 | Exeter 7130 Ambassador LP | Brandywine Realty Trust | $\$ 5,800,000$ | $\$ 50.86$ |
| $403^{\text {rd } \text { Street }}$ | Walnutport | 173,000 | Feb-08 | Elk Lighting, Inc | Paris Accessories | $\$ 1,487,500$ | $\$ 8.6$ |
| 7880 Stroh Dr | Breinigsville | 650,000 | Jun-08 | Boston Beer Company, Inc. | Guinness UDV NA Inc. | $\$ 55,000,000$ | $\$ 84.62$ |
| Portfolio Sale | Fogelsville | 314,161 | Jul-08 | High Street Equity Advisors | First Industrial Realty Trust | $\$ 20,100,000$ | $\$ 63.98$ |

Recent Building Sales

| Address | Town | Size (sf) | Sale Date | Buyer | Seller | Price | \$/sf |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 140 Mickley Road | Whitehall | 150,000 |  | Protica, Inc. | Saputo Cheese USA | $\$ 2,400,000$ | $\$ 16.00$ |
| 1002 Patriot Drive | Muhlenberg Twp | 609,000 | Jun-06 | Brasler Prop \& Endurance RE | GE Capital | $\$ 32,000,000$ | $\$ 53.00$ |
| 9784 Commerce Circle | Weisenberg | 95,106 | Aug-06 | Genworth Life | Skeans | $\$ 7,400,000$ | $\$ 77.81$ |
| 9750 Commerce Circle | Weisenberg | 498,988 | Sep-06 | Dividend Capital | Arcadia West Assoc | $\$ 29,975,000$ | $\$ 60.07$ |
| 9775 Commerce Circle | Weisenberg | 224,000 | Dec-06 | Gugenheim Partners | Arcadia West Assoc | $\$ 12,250,000$ | $\$ 54.69$ |
| 200 Cascade | Allentown | 550,000 | Jan-07 | First Industrial Realty | Conewago Equities | $\$ 25,000,000$ | $\$ 45.45$ |
| 795 Roble Road | Allentown | 198,000 | Feb-07 | ABR Realty, LLC | JG Petrucci Co., Inc. | $\$ 6,475,000$ | $\$ 32.70$ |
| 9750 Commerce Drive | Lehigh Valley | 503,423 | Apr-07 | Divident Capital Trust | Higgins Development Partners | $\$ 29,900,000$ | $\$ 59.54$ |
| 2410 Northampton St | Easton | 306,500 | Oct-07 | Safavieh Carpets | JG Petrucci Co., Inc. | $\$ 8,800,000$ | $\$ 28.71$ |
| 7132 Daniels Drive | Upper Macungie | 289,800 | Nov-07 | 7132 Daniels Dr Associates LP | Liberty Property Trust | $\$ 13,775,000$ | $\$ 47.53$ |
| 3747 Hecktown Road | Easton | 232,180 | Nov-07 | Phillips Feed \& Pet Supply | Supervalu Holdings-PA, LLC | $\$ 10,039,925$ | $\$ 43.24$ |
| 7130 Ambassador Dr | Allentown | 114,049 | Jan-08 | Exeter 7130 Ambassador LP | Brandywine Realty Trust | $\$ 5,800,000$ | $\$ 50.86$ |
| 7880 Stroh Dr | Breinigsville | 650,000 | Jun-08 | Boston Beer Company, Inc. | Guinness UDV NA Inc. | $\$ 55,000,000$ | $\$ 84.62$ |
| Portfolio Sale | Fogelsville | 314,161 | Jul-08 | High Street Equity Advisors | First Industrial Realty Trust | $\$ 20,100,000$ | $\$ 63.98$ |

Recent Land Sales
$\$ 115,907$
Buyer
蒿

| Address | Township | Date | Acres | Sale Price | \$/Acre | Buyer | Seller |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Route 512, Arcadia East | East Allen Twp |  | 54 | $\$ 6,259,000$ | $\$ 115,907.41$ | Higgins Development Partners | Arcadia East Associates |
| Uhler Rd @ Kesslersville | Forks Township | Jun-08 | 31.26 | $\$ 4,125,871$ | $\$ 131,985.64$ | Henningsen Cold Storage Co | JG Petrucci |
| 3857 Easton Nazareth Hwy | Lower Nazareth Twp | Mar-07 | 58 | $\$ 13,000,000$ | $\$ 224,137.93$ | First Industrial |  |
| Route 100/7951 Schantz | Upper Macungie Twp | Jan-06 | 81 | $\$ 17,286,000$ | $\$ 213,407.41$ | Nestle Foods | JG Petrucci |
| 9750 Commerce Circle | Weisenburg Twp | Aug-05 | 29.4 | $\$ 5,535,000$ | $\$ 188,265.31$ | Higgins Development Partners | Arcadia West Associates |
| 3857 Easton Nazareth Hwy | Lower Nazareth Twp | Jul-05 | 58 | $\$ 7,200,000$ | $\$ 124,137.93$ | JG Petrucci | Higgins Development Partners |
| 8301 Industrial Blvd | Upper Macungie Twp | Mar-05 | 270 | $\$ 33,131,328$ | $\$ 122,708.62$ | Liberty Property Trust | Fred Jaindl |
| Hanover Corporate Center | Hanover Twp | Jul-04 | 37 | $\$ 4,498,763$ | $\$ 121,588.19$ | IDI | David Jandl Land Co. |

Source: Grubb \& Ellis 4Q08

LEHIGH VALLEY PIPELINE \& EXISTING INVENTORY 200,000-400,000 SF | $\begin{array}{c}\text { Owner/ } \\ \text { Developer }\end{array}$ |
| :---: |

Existing Inventory:


\footnotetext{
Planned:

LEHIGH VALLEY PIPELINE \& EXISTING INVENTORY Over 400,000 SF

| Existing Inventory: | Owner/ Developer |  |  |  | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Liberty Business Center | Liberty | Lehigh Valley West | 615,000 | Cross | 400,000 SF Available |
| Prologis Park 33 | Prologis | Lehigh Valley East | 930,000 | Cross | 510,000 SF Available |
| Industrial Park Way | Seagis | Lehigh Valley West | 535,000 | Single | Full Building Available |
| Macungie Crossing | Panattoni | Lehigh Valley West | 580,000 | Cross |  |
| Subtotal 2,660,000 |  |  |  |  |  |
| Entitled/To be Built: |  |  |  |  |  |
| Route 248 Distribution Center | First Industrial | Lehigh Valley East | 700,000 | Cross |  |
| Hanoverville Road | Greenfield | Lehigh Valley East | 546,000 | Cross |  |
| Hanoverville Road | Greenfield | Lehigh Valley East | 551,000 | Cross |  |
| Hanoverville Road | Prologis | Lehigh Valley East | 405,211 | Cross |  |
| Arcadia East - Lot 3 | Arcadia | Lehigh Valley East | 424,000 | Single | North of subject property |
| Macungie Crossing | Panattoni | Lehigh Valley West | 400,000 | Single |  |
| Majestic Bethlehem Center | Majestic | Lehigh Valley East | 1,200,000 | Cross | Under Construction, Low Basis |
| Majestic Bethlehem Center | Majestic | Lehigh Valley East | 1,300,000 | Cross | Low Basis |
| Majestic Bethlehem Center | Majestic | Lehigh Valley East | 1,500,000 | Cross | Low Basis |
| Majestic Bethlehem Center | Majestic | Lehigh Valley East | 1,100,000 | Cross | Low Basis |
| Majestic Bethlehem Center | Majestic | Lehigh Valley East | 1,800,000 | Cross | Low Basis |
| Majestic Bethlehem Center | Majestic | Lehigh Valley East | 400,000 | Single | Low Basis |
|  |  | Subto | 0,326,211 |  |  |
| Planned: |  |  |  |  |  |
| WestHill | Hillwood | Lehigh Valley West | 1,020,000 | Cross | West of Route 100 |
| WestHill | Hillwood | Lehigh Valley West | 550,000 | Cross | West of Route 100 |
| Subject Property |  | Lehigh Valley East | 550,000 | Cross | Possible 2011 Delivery |
| Subject Property |  | Lehigh Valley East | 550,000 | Cross | Possible 2011 Delivery |

Grand Total $15,656,211$

## PHILADELPHIA INDUSTRIAL REPORT

## ECONOMY

The Philadelphia area has begun to feel the ongoing economic recession in various sectors. While employment concerns have not reached those of the national scale, the unemployment rate in southeastern Pennsylvania has reached $5.7 \%$, up 140 basis points from this time in 2007, and has escalated to $5.7 \%$ in southern New Jersey, up 180 basis points from the level in 2007. High fuel prices, which were once a huge drag, have become a temporary non-issue, but other economic dynamics have crept into corporate decision-making. Weak consumer confidence, declining production of manufactured goods and rising unemployment have resulted in decreased demand for industrial space, particularly for warehouse/distribution.

## OVERVIEW

The market has experienced a decline in demand as many businesses continue to look for operational efficiencies in their current locations as opposed to relocating and incurring moving expenses. This will extend the softening of the industrial market as leasing activity continues to decline and absorption trends downward. The manufacturing and warehouse sectors have experienced significant declines in leasing activity, but the office service sector has remained constant with nearly 1.4 million square feet (msf) leased in 2008, just shy of 2007's year-end figure. While the overall market ended the year with $627,265 \mathrm{sf}$ of negative absorption, Philadelphia County stated 489,410 sf of positive absorption, on par with last year's total figure. The regional industrial direct vacancy rate remained virtually flat at $7.4 \%$, only 30 basis points higher than the same period last year and 330 basis points less than the fourth quarter high in 2003.

As the year progressed, direct leasing transaction volume declined accordingly. The largest reported transaction occurred at LogistiCenter at Logan - Building K in the Gloucester County submarket where tool manufacturer Brighton Best International expanded their global distribution network by leasing 106,655 square feet (sf) of warehouse space. Also in New Jersey, logistics and trucking services firm McCollister's Transportation Group expanded in the Burlington County submarket when they took 66,182 sf of warehouse space at Central Crossings Business Park to accommodate new business, while Sawy Sheet Metal, also in the Burlington County submarket, leased 12,677 sf of warehouse space. The Ft. Washington/Willow Grove submarket's most notable transaction was Teva Pharmaceuticals' lease of 96,800 sf of warehouse space at the Hartman Road Corporate Center. While new leasing activity decreased throughout the market, the combined square footage for 2008's renewed leasing transactions increased $50.1 \%$ to 1.7 msf since year-end 2007. Companies such as Home Depot, Ikea, United States Postal Service, Forman Mills and Regency Transportation elected to remain in their existing spaces.

## FORECAST

The industrial market has entered a period of stagnation reflecting upon the negative activity in the overall economy. Declining commercial property values are causing rents to decrease. In turn, landlords with vacancies are making adjustments to rental rate expectations to cut potential losses. Building owners with stabilized properties, unless faced with the prospect of having to refinance, are holding steady.

## BEAT ON THE STREET

"The destabilization of the credit markets and lack of corporate confidence will make for an interesting 2009. Without economic stability the industrial market will continue to be negatively affected. Deals are getting done in the region, but not at recent years' volume. The key strategy from most landlords is stabilization. Landlords with vacancies are taking aggressive actions to lease up through concessions and reduced rental rates, while those with pending lease expirations are attempting to lock up early renewals, even if that requires concessions to existing tenants." -Larry Maister, Senior Director

| ECONOMIC INDICATORS |  |  |  |
| :--- | ---: | ---: | ---: |
| National | 2007 | 2008 | $2009 F$ |
| GDP Growth | $2.0 \%$ | $1.2 \%$ | $-1.5 \%$ |
| CPI Growth | $2.9 \%$ | $4.2 \%$ | $0.9 \%$ |
| Regional |  |  |  |
| Unemployment | $4.4 \%$ | $5.3 \%$ | $6.0 \%$ |
| Employment | $0.7 \%$ | $0.2 \%$ | $0.0 \%$ |
| Growth <br> Source: Moody's $\mid$ Economy.com |  |  |  |

## MARKET FORECAST

LEASING ACTIVITY is expected to remain at current levels through this period of economic uncertainty.

DIRECT ABSORPTION, compared to 2008, will remain consistently negative in 2009 due in part to corporate downsizing and space givebacks.

CONSTRUCTION activity will decline in 2009 with limited speculative development (Whitesell) and sporadic build-to-suit deliveries (Kimberly-Clark).

MSA RENTAL VS. VACANCY RATE


## GLOUCESTER COUNTY

## 4Q08 INVENTORY BY PROPERTY TYPE

■Warehouse/Distribution $\quad$ Manufacturing $\quad$ OfficeService $\quad$ High Tech


- Construction continues on the BRRR frozen food facility at Pureland Industrial Complex. The 125,000 sf build-to-suit freezer space is expected to deliver in the first quarter of 2009.
- Gloucester County's two largest deals for 2008 were renewals. Home Depot opted to remain in 300,000 sf of warehouse space at Pureland Industrial Complex while Leslie's Poolmart decided to renew another six years in 130,000 sf of warehouse space at Commodore 295 Business Park.


## DELAWARE COUNTY

## 4Q08 INVENTORY BY PROPERTY TYPE

■ Warehouse/Distribution ■ Manufacturing ■ Office Service ■ High Tech


- Ottens Flavors purchased 600 Kaiser Drive in the Folcroft West Business Park from Henderson Columbia. The buyer paid $\$ 3.5$ million for the 110,000 -sf warehouse building, equivalent to $\$ 31.82$ per square foot ( psf ).
- A mix of $191,000 \mathrm{sf}$ of manufacturing and warehouse space was leased this year in the Orion Philadelphia Business Park (10 Industrial Highway). Large transactions included Extec, leasing 43,776 sf and Twin Marginal Service taking 28,545 sf.


## BURLINGTON COUNTY

OVERALL RENTS BY PROPERTY TYPE
■ Warehouse/Distribution $\square$ Manufacturing ■Office Service


- In Southern New Jersey's largest industrial deal of 2008, International Paper leased 430,000 sf of warehouse space at Haines Industrial Center from Whitesell Construction. The build-to-suit project is currently under construction with delivery planned in early 2009.
- The direct vacancy rate for the Burlington County industrial market climbed 190 basis points to $8.8 \%$ from year end 2007. When compared to 2003-2006, the submarket's single-digit rate is considerably healthy.


## CHESTER COUNTY

VACANCY RATE BY PROPERTY TYPE

■ Warehouse/Distribution $\square$ Manufacturing $■$ Office Service


- Chester County had approximately 300,000 sf of significant leasing activity in 2008. The most notable leases involved two flex spaces: Gore International leased 106,846 sf at 380 Starr Road and ViroPharma leased 78,264 sf at 730 Stockton Drive.
- In the investment arena, CPG Acquisition purchased 10391041 West Bridge Street Sixth Avenue at the Phoenixville Corporate Center from Bridge Street Phoenixville. CPG paid $\$ 74.11 \mathrm{psf}$ for the 161,922 -sf manufacturing facility.


## MONTGOMERY COUNTY

## 4Q08 INVENTORY BY PROPERTY TYPE

■ Warehouse/Distribution ■Manufacturing ■ Office Service ■ High Tech



- Overall industrial leasing activity has experienced a decline; as 1.3 msf was leased in 2008 compared to 1.6 msf in 2007. The warehouse sector was the hardest hit, down nearly $30.0 \%$ from 2007 to 750,528 sf of new lease activity in 2008.
- Silvering Hollowell Development delivered the new 150,000sf FedEx northeastern distribution center at the Montgomery Business Campus in Horsham. FedEx occupied the building during the second quarter.

BUCKS COUNTY
DIRECT RENTAL VS. AVAILABLE SPACE


- Three of Lower Bucks' largest leasing transactions in 2008 were renewals totaling 561,424 sf. Ikea ( 384,000 sf) renewed their space at Bristol Industrial Park, while Kellogg (102,000 sf) and Nordon ( $75,424 \mathrm{sf}$ ) also renewed their spaces at Bucks County Business Park.
- In a user occupied sale, Jennbrooke Properties purchased a 78,400-sf warehouse building at 6120 Easton Road from BT Acquisitions for $\$ 3.5$ million. Jennbrooke plans to convert the property to a manufacturing facility.


## PHILADELPHIA COUNTY

OVERALL RENTAL VS. VACANCY RATES


- Following an increasing trend of user sales, Pearl Pressman Liberty Printing purchased 7625 Suffolk Avenue from former user Braceland Brothers for their new headquarters. The 103,841-sf manufacturing building sold for $\$ 6.1$ million.
- The Philadelphia Regional Produce Market plans to relocate to a proposed $\$ 218.5$ - million development on Essington Avenue. The 667,000 -sf facility will keep 1,468 existing jobs and create 375 new positions in Philadelphia.

NEW CASTLE COUNTY

## 4Q08 INVENTORY BY PROPERTY TYPE

$■$ Warehouse/Distribution $\quad$ Manufacturing $\square$ Office Service $\square$ High Tech


- Chrysler shuttered its $3.4-\mathrm{msf}$ Newark manufacturing plant approximately a year ahead of schedule due to increasing economic stress and a sharp decline in SUV sales. The University of Delaware is currently in discussions to acquire the site from Chrysler.
- Crescent Business Center purchased 1325 Old Cooches Bridge Road from F. Schumacher \& Company. The buyer paid $\$ 5.6$ million ( $\$ 55.45 \mathrm{psf}$ ) for the $101,000-$-sf manufacturing building.


## MARKET SUBMARKET STATISTICS/

|  |  | NO. OF | OVERALL <br> VACANCY | YTD LEASING | UNDER | YTD CONSTRUCTION | YTD OVERALL | DIRECT WEIGHTED AVERAGE NET RENTAL RATE* |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MARKET/SUBMARKET | INVENTORY | BLDGS. | RATE | ACTIVITY | CONSTRUCTION | COMPLETIONS | ABSORPTION | HT | MF | OS | W/D |
| Philadelphia County | 58,992,258 | 709 | 8.2\% | 1,015,781 | 484,736 | 30,600 | 424,945 | N/A | \$3.35 | \$8.28 | \$4.76 |
| Lower Bucks County | 37,663,987 | 594 | 7.1\% | 637,894 | 0 | 279,500 | $(64,360)$ | N/A | \$5.48 | \$9.98 | \$4.54 |
| Upper Bucks County | 18,558,916 | 378 | 3.4\% | 253,039 | 158,700 | 0 | 123,939 | N/A | \$7.85 | \$8.92 | \$6.03 |
| Montgomery County | 47,164,721 | 762 | 9.8\% | 1,280,254 | 0 | 176,943 | $(190,968)$ | N/A | \$4.81 | \$10.92 | \$4.92 |
| Chester County | 26,746,732 | 477 | 5.3\% | 477,849 | 230,967 | 78,264 | 129,636 | N/A | \$6.82 | \$9.89 | \$5.06 |
| Delaware County | 14,977,245 | 249 | 10.6\% | 629,578 | 0 | 89,160 | $(638,728)$ | N/A | \$6.70 | \$7.33 | \$5.52 |
| Suburban Philadelphia | 145,111,601 | 2,460 | 7.5\% | 3,278,614 | 389,667 | 623,867 | $(640,481)$ | N/A | \$6.00 | \$9.86 | \$4.94 |
| Burlington County | 27,611,233 | 369 | 9.5\% | 1,466,205 | 430,000 | 721,000 | $(38,794)$ | N/A | \$4.15 | \$7.57 | \$4.72 |
| Camden County | 26,419,612 | 447 | 3.8\% | 195,186 | 0 | 0 | $(102,140)$ | N/A | \$5.02 | \$8.56 | \$4.21 |
| Gloucester County | 20,082,268 | 208 | 9.0\% | 757,907 | 155,782 | 594,571 | $(270,795)$ | N/A | \$4.17 | \$7.15 | \$4.65 |
| Southern New Jersey | 74,113,113 | 1,024 | 7.3\% | 2,419,298 | 585,782 | 1,315,571 | $(411,729)$ | N/A | \$4.39 | \$7.69 | \$4.61 |
| Philadelphia MSA Total | 278,216,972 | 4,193 | 7.6\% | 6,713,693 | 1,460,185 | 1,970,038 | $(627,265)$ | N/A | \$4.62 | \$9.20 | \$4.83 |
| Lehigh Valley | 45,625,344 | 145 | 16.0\% | 3,262,716 | 1,111,000 | 2,914,775 | 3,694,239 | N/A | \$4.29 | \$4.25 | \$4.40 |
| Northeastern PA | 53,031,506 | 187 | 12.4\% | 1,264,268 | 1,295,200 | 2,785,350 | 2,264,242 | N/A | \$3.85 | N/A | \$3.84 |
| Central PA | 99,440,906 | 328 | 10.6\% | 3,629,574 | 3,687,160 | 2,919,487 | $(1,200,567)$ | N/A | \$3.25 | N/A | \$4.03 |
| 1-8I - I-78 Dist. Corr. | 198,097,756 | 660 | 12.3\% | 8,156,558 | 6,093,360 | 8,619,612 | 4,757,914 | N/A | \$3.85 | \$4.25 | \$4.11 |
| By Property Type |  |  |  |  |  |  |  |  | 2008 | 2007 | 2006 |
| High Technology | N/A | N/A | N/A | N/A | N/A | N/A | N/A |  | N/A | N/A | N/A |
| Manufacturing | 63,698,742 | 899 | 4.9\% | 693,268 | 345,500 | 183,571 | $(123,161)$ |  | \$4.62 | \$4.52 | \$4.30 |
| Office Service | 46,747,842 | 1,030 | 10.0\% | 1,387,438 | 359,685 | 395,807 | $(19,908)$ |  | \$9.20 | \$8.83 | \$8.64 |
| Warehouse/Distribution | 167,770,388 | 2,264 | 8.0\% | 4,632,987 | 755,000 | 1,390,660 | $(484,196)$ |  | \$4.83 | \$4.63 | \$4.49 |
| Philadelphia MSA Total | 278,216,972 | 4,193 | 7.6\% | 6,713,693 | 1,460,185 | 1,970,038 | $(627,265)$ |  | \$5.72 | \$5.52 | \$5.35 |

*Rental rates reflect \$psf/year
HT = High Tech MF = Manufacturing OS = Office Service W/D = Warehouse/Distribution

## MARKET HIGHLIGHTS

| SIGNIFICANT 2008 NEW LEASE TRANSACTIONS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| BUILDING | SUBMARKET | TENANT | SQUARE FEET | PROPERTY TYPE |
| 6700 Essington Avenue | Philadelphia County | Philadelphia Fresh Food Terminal Corp. | 667,000 | Warehouse/Distribution |
| Daniels Way | Burlington County | International Paper | 430,000 | Warehouse/Distribution |
| 1100 John Galt Way | Burlington County | Saddle Creek | 193,710 | Warehouse/Distribution |
| SIGNIFICANT 2008 SALE TRANSACTIONS |  |  |  |  |
| BUILDING | SUBMARKET | BUYER | SQUARE FEET | PURCHASE PRICE |
| 200 Birch Creek Road | Gloucester County | Cornerstone Real Estate Advisors | 597,232 | \$28,550,000 |
| 500 University Court | Camden County | Regency Transportation | 275,000 | \$14,000,000 |
| 2450 Hunting Park Avenue | Philadelphia County | Berman Enterprises | 265,634 | \$40,000,000 |
| SIGNIFICANT 2008 CONSTRUCTION COMPLETIONS |  |  |  |  |
| BUILDING | SUBMARKET | MAJOR TENANT | SQUARE FEET | COMPLETION DATE |
| 270 Daniels Way/Haines Industrial | Burlington County | Bed Bath and Beyond | 721,000 | 2/08 |
| 2100 Center Square Rd/LogistiCenter @Logan-Bldg K | Gloucester County | Brighton Best International Inc. | 366,000 | 9/08 |
| 2201 Green Lane/Bristol Commerce Center | Lower Bucks County | N/A | 248,500 | 9/08 |
| SIGNIFICANT PROJECTS UNDER CONSTRUCTION |  |  |  |  |
| BUILDING | SUBMARKET | MAJOR TENANT | SQUARE FEET | COMPLETION DATE |
| Daniels Way/Haines Industrial Center | Burlington County | International Paper | 430,000 | 3/09 |
| 4300 South 26th Street/One Crescent Park/The Navy Yard | Philadelphia County | Tasty Baking Company | 345,500 | 12/09 |
| Keystone Foods Facility/Valley View Business Park | 202 Corridor | Keystone Foods | 160,000 | 6/09 |

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Philadelphia PA 19103
(215) 963-4000
*Market terms \& definitions based on BOMA and NAIOP standards
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# PA I-81 \& I-78 DISTRIBUTION CORRIDOR INDUSTRIAL REPORT 

## BEAT ON THE STREET

"Not unlike other areas of the economy, the I$81 / I-78$ corridor is starting to realize the effects of weakening National \& Global economies. This will be worst felt in the speculative development construction starts because any speculative building in today's market is very uncertain and risky since leasing activity is questionable. Until consumer goods companies regain confidence, this trend and its impact may continue well into 2009."

- Jeff Williams, Director

| ECONOMIC INDICATORS |  |  |  |
| :--- | ---: | ---: | ---: |
| National | 2007 | 2008 | 2009 F |
| GDP Growth | $2.0 \%$ | $1.2 \%$ | $-1.5 \%$ |
| CPI Growth | $2.9 \%$ | $4.2 \%$ | $0.9 \%$ |
| Regional |  |  |  |
| Unemployment | $4.4 \%$ | $5.3 \%$ | $6.0 \%$ |
| Employment | $0.7 \%$ | $0.2 \%$ | $0.0 \%$ |
| Growth |  |  |  |
| Source: Moody's $\mid$ Economy.com |  |  |  |

## MARKET FORECAST

LEASING ACTIVITY will slow in 2009 as the effects of the global economic crisis will continue to impact the region. The volume and size of leases will decrease.

DIRECT ABSORPTION is expected to dip into the negative territory as some tenants leave the market, and several new speculative projects will hit the market with little or no pre-leasing.

CONSTRUCTION projects that are already under construction will stay the course until completion. Projects in the proposal stages will take time to get started due to decreased tenant demand.

I-81-I-78 RENTAL VS. VACANCY RATES


## MARKET/SUBMARKET STATISTICS

|  |  | NO | OVERALL <br> VACANCY | $\begin{gathered} \text { YTD } \\ \text { LEASING } \end{gathered}$ | UND | YTD CONSTRUCTION | YTD OVERALL | DIRECT WEIGHTED AVERAGE NET RENTAL RATE* |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MARKET/SUBMARKET | INVENTORY | BLDGS. | RATE | ACTIVITY | CONSTRUCTION | COMPLETIONS | ABSORPTION | HT | MF | OS | W/D |
| Lehigh Valley | 45,625,344 | 145 | 16.0\% | 3,262,716 | 1,111,000 | 2,914,775 | 3,694,239 | N/A | \$4.29 | \$4.25 | \$4.40 |
| Northeastern PA | 53,031,506 | 187 | 12.4\% | 1,264,268 | 1,295,200 | 2,785,350 | 2,264,242 | N/A | \$3.85 | N/A | \$3.84 |
| Central PA | 99,440,906 | 328 | 10.6\% | 3,629,574 | 3,687,160 | 2,919,487 | $(1,200,567)$ | N/A | \$3.25 | N/A | \$4.03 |
| **\|-8I - l-78 Dist. Corr. TOTAL | 198,097,756 | 660 | 12.3\% | 8,156,558 | 6,093,360 | 8,619,612 | 4,757,914 | N/A | \$3.85 | \$4.25 | \$4.11 |

*Rental rates reflect \$psf/year
HT = High Tech MF = Manufacturing OS = Office Service W/D = Warehouse/Distribution

## MARKET HIGHLIGHTS

| BUILDING | SUBMARKET | TENANT | SQUARE FEET | PROPERTY TYPE |
| :---: | :---: | :---: | :---: | :---: |
| Greenspring Industrial Park | Central PA | United Natural Foods | 675,000 | Warehouse/Distribution |
| 201 Fulling Mill Road | Central PA | APC | 650,000 | Warehouse/Distribution |
| Humboldt Industrial Park | Northeastern PA | Amazon.com | 615,600 | Warehouse/Distribution |
| 1485 West Commerce Drive | Central PA | LTS Logistics | 439,088 | Warehouse/Distribution |
| SIGNIFICANT 2008 SALE TRANSACTIONS |  |  |  |  |
| BUILDING | SUBMARKET | BUYER | SQUARE FEET | PURCHASE PRICE |
| York Business Center-601 Memory Lane | Central PA | Equity Industrial Partners | 1,508,800 | \$72,000,000 |
| Lehigh Valley Industrial Park West | Lehigh Valley | Samuel Adams Pennsylvania Brewery Co | 853,000 | \$23,100,000 |
| 4501 Westport Drive | Central PA | DCT Industrial Trust | 500,000 | \$25,500,000 |
| SIGNIFICANT 2008 CONSTRUCTION COMPLETIONS |  |  |  |  |
| BUILDING | SUBMARKET | MAJOR TENANT | SQUARE FEET | COMPLETION DATE |
| Covington Industrial Park | Northeastern PA | N/A | 1,279,350 | 12/08 |
| Liberty Business Center | Lehigh Valley | N/A | 920,400 | 3/08 |
| Prologis Park 33-BIdg. II | Lehigh Valley | BMW | 870,000 | 12/08 |
| Boulder Business Center-Lot 3B | Lehigh Valley | Home Depot | 451,000 | 12/08 |
| 2320 Newlins Mill Road | Lehigh Valley | VF Imagewear-Majestic Athletics | 358,375 | 12/08 |
| SIGNIFICANT PROJECTS UNDER CONSTRUCTION |  |  |  |  |
| BUILDING | SUBMARKET | MAJOR TENANT | SQUARE FEET | COMPLETION DATE |
| 260 Hidden Lane | Central PA | Church \& Dwight Co. Inc., | 1,600,000 | 12/09 |
| Key Logistics Park-Bldg C | Central PA | N/A | 1,170,000 | 3/09 |
| Lehigh Valley Macungie Crossings | Lehigh Valley | Tree of Life | 580,000 | 12/09 |

[^1]Leasing Activity Report 20,000+ LV 02/22/2008 to 02/21/2009

| Building Address | RBA | SF Leased | Rent Paid/yr | Current Total Avail | Tenant Name |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Building/Park Name | Typical Floor | Sign Date | Space Use/Type | Current Max Contig | Transaction Type |
| Submarket | Building Type | Move Date | Mailing Suite | Current Percent Leased |  |
| City | Class | Expiration Date | Leased Floor \#s |  |  |
| 6923 Schantz Rd | 100,000 SF | 50,000 SF | - | 100,000 SF | - |
| - | 100,000 SF | 02/29/2008 | Warehse/Sublet | 100,000 SF | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 04/01/2008 | - | 0\% |  |
| Allentown, PA 18106 | B | - | 1 |  |  |
| 40 3rd St | 173,000 SF | 173,000 SF | - | 0 | - |
| - | 86,500 SF | 02/29/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 03/01/2008 | - | 100\% |  |
| Walnutport, PA 18088 | C | - | 1 |  |  |
| 904 Marcon Blvd | 45,600 SF | 4,800 SF | \$5.50/nnn | 19,200 SF | - |
| Lehigh Valley Indus Pk 3, Lehigh Valley | 45,600 SF | 03/01/2008 | Warehse/Direct | 19,200 SF | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 04/01/2008 |  | 57.9\% |  |
| Allentown, PA 18109 | - | - | 1 |  |  |
| 22 S Commerce Way | 61,790 SF | 9,700 SF | \$5.45/nnn | 0 | - |
| Lehigh Valley Indus Pk 4 | 61,790 SF | 03/01/2008 | Flex/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Distribution | 04/01/2008 | - | 100\% |  |
| Bethlehem, PA 18017 | B | - | 1 |  |  |
| 6690 Grant Way | 88,000 SF | 17,800 SF | - | 0 | - |
| Iron Run Corporate Center | 88,000 SF | 03/17/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 06/15/2008 | - | 100\% |  |
| Allentown, PA 18106 | B | - | 1 |  |  |
| 7339 Industrial Blvd | 215,000 SF | 92,143 SF | \$3.95/nnn | 0 | - |
| Lehigh 100 | 215,000 SF | 04/01/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 04/01/2008 | - | 100\% |  |
| Allentown, PA 18106 | B | - | 1 |  |  |
| 3713 Linden St | 48,568 SF | 11,000 SF | - | 0 | - |
| - | 24,499 SF | 04/02/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial | 07/01/2008 | - | 100\% |  |
| Bethlehem, PA 18020 | C | - | 2 |  |  |

Leasing Activity Report 20,000+ LV 02/22/2008 to 02/21/2009

| Building Address | RBA | SF Leased | Rent Paid/yr | Current Total Avail | Tenant Name |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Building/Park Name | Typical Floor | Sign Date | Space Use/Type | Current Max Contig | Transaction Type |
| Submarket | Building Type | Move Date | Mailing Suite | Current Percent Leased |  |
| City | Class | Expiration Date | Leased Floor \#s |  |  |
| 7620 Cetronia Rd | 155,060 SF | 58,626 SF | \$6.00/nnn(est) | 0 | - |
| - | 155,060 SF | 04/08/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 09/05/2008 | - | 100\% |  |
| Allentown, PA 18106 | B | - | 1 |  |  |
| 7036 Snowdrift Rd | 95,759 SF | 16,000 SF | \$4.75/nnn(est) | 0 | - |
| Iron Run Corporate Center | 95,759 SF | 04/18/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 07/17/2008 | - | 100\% |  |
| Allentown, PA 18106 | - | - | 1 |  |  |
| 7036 Snowdrift Rd | 95,759 SF | 30,000 SF | \$4.75/nnn(est) | 0 | - |
| Iron Run Corporate Center | 95,759 SF | 04/18/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 09/15/2008 | - | 100\% |  |
| Allentown, PA 18106 | - | - | 1 |  |  |
| 969 Postal Rd | 64,800 SF | 4,800 SF | \$4.75/nnn(est) | 0 |  |
| Lehigh Valley Indus Pk 3 | 64,800 SF | 04/18/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 05/18/2008 |  | 100\% |  |
| Allentown, PA 18109 | C | - | 1 |  |  |
| 315 Linden St | 85,000 SF | 6,000 SF | \$3.00/+util(est) | 30,000 SF | - |
| BLDG A | 21,250 SF | 04/30/2008 | Warehse/Direct | 24,000 SF | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 06/29/2008 | - | 71.8\% |  |
| Allentown, PA 18102 | C | - | 1 |  |  |
| 7880 Stroh Dr | 650,000 SF | 650,000 SF | - | 0 | - |
| Boston Beer Company,Boston Brewery | 650,000 SF | 06/02/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Distribution | 06/08/2008 | - | 100\% |  |
| Breinigsville, PA 18031 | B | - | 1 |  |  |
| 50 Utley Dr | 60,000 SF | 60,000 SF | - | 10,803 SF | - |
| Lehigh Valley Industrial Park VII,Keystone Building | 60,000 SF | 06/05/2008 | -/ | 3,309 SF | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 05/01/2009 | - |  |  |
|  | B | - | 1 |  |  |


Leasing Activity Report 20,000+ LV 02/22/2008 to 02/21/2009

| Building Address | RBA | SF Leased | Rent Paid/yr | Current Total Avail | Tenant Name |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Building/Park Name | Typical Floor | Sign Date | Space Use/Type | Current Max Contig | Transaction Type |
| Submarket | Building Type | Move Date | Mailing Suite | Current Percent Leased |  |
| City | Class | Expiration Date | Leased Floor \#s |  |  |
| 351-361 Cedar St | 100,000 SF | 12,000 SF | \$2.99/nnn | 0 | - |
| Bonney Forge Bldg | 100,000 SF | 06/17/2008 | Flex/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 09/16/2008 | - | 100\% |  |
| Allentown, PA 18102 | C | - | 1 |  |  |
| 22 S Commerce Way | 61,790 SF | 14,000 SF | - | 0 | - |
| Lehigh Valley Indus Pk 4 | 61,790 SF | 07/07/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Distribution | 07/07/2008 | - | 100\% |  |
| Bethlehem, PA 18017 | B | - | 1 |  |  |
| 1001 8th Ave | 281,054 SF | 10,000 SF | - | 0 | - |
| Durkee-French Plant | 281,054 SF | 07/14/2008 | -/ | 0 | Move In |
| Lehigh Valley Ind | Industrial/Food | 07/14/2008 | - | 100\% |  |
| Bethlehem, PA 18018 | Processing |  |  |  |  |
|  | B |  |  |  |  |
| 2863 Brodhead Rd | 57,212 SF | 1,250 SF | \$12.00/fs(est) | 0 | - |
| - | 52,926 SF | 07/25/2008 | Office/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 08/24/2008 | - | 100\% |  |
| Bethlehem, PA 18020 | C | - | 1 |  |  |
| 2121 SW 31st St | 101,119 SF | 20,000 SF | \$4.50/nnn(est) | 0 |  |
| A Sheftel Bldg | 101,119 SF | 08/01/2008 | Warehse/Direct | 0 | Renewal |
| Lehigh Valley Ind | Industrial/Warehouse | - | - | 100\% |  |
| Allentown, PA 18103 | C | - | 1 |  |  |
| 754-806 Fairmont St | 26,800 SF | 26,015 SF | - | 0 | - |
| - | 26,015 SF | 08/07/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 08/07/2008 | - | 100\% |  |
| Allentown, PA 18101 | C | - | 1 |  |  |
| 2320 Newlins Mill Rd | 358,375 SF | 358,375 SF | - | 0 | - |
| Majestic Athletic | 358,375 SF | 08/12/2008 | Warehse/New | 0 | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 11/01/2008 | - | 100\% |  |
| Easton, PA 18045 | A | - | 1 |  |  |

Leasing Activity Report 20,000+ LV 02/22/2008 to 02/21/2009

| Building Address | RBA | SF Leased | Rent Paid/yr | Current Total Avail | Tenant Name |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Building/Park Name | Typical Floor | Sign Date | Space Use/Type | Current Max Contig | Transaction Type |
| Submarket | Building Type | Move Date | Mailing Suite | Current Percent Leased |  |
| City | Class | Expiration Date | Leased Floor \#s |  |  |
| 2860 Bath Pike | 188,500 SF | 30,000 SF | - | 188,500 SF | - |
| - | - | 08/14/2008 | Warehse/Direct | 188,500 SF | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 09/01/2008 | - | 57.6\% |  |
| Nazareth, PA 18064 | B | - | 1 |  |  |
| 4950 Hanoverville Rd | 206,542 SF | 206,542 SF | - | 0 | - |
| Lehigh Valley Distribution Center \#14 | 206,542 SF | 08/28/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 02/24/2009 | - | 100\% |  |
| Bethlehem, PA 18020 | A | - | 1 |  |  |
| 1344-1426 Sherman St | 40,000 SF | 40,000 SF | \$3.60/negot | 0 | - |
| - | 40,000 SF | 09/01/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 10/01/2008 | - | 100\% |  |
| Allentown, PA 18109 | C | - | 1 |  |  |
| 8000 Quarry Rd | 700,000 SF | 362,000 SF | \$4.50/nnn(est) | 337,750 SF |  |
| AMB 1-78 Distribution Center,Building 100 | 700,000 SF | 09/05/2008 | Warehse/New | 869,750 SF | Move In |
| Lehigh Valley Ind | Industrial/Distribution | 12/01/2008 |  | 51.8\% |  |
| Allentown, PA 18101 | B | - | 1 |  |  |
| 124 W Union Blvd | 20,000 SF | 20,000 SF | \$3.50/negot | 0 |  |
| - | 10,000 SF | 09/18/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 12/06/2008 | - | 100\% |  |
| Bethlehem, PA 18018 | C | - | 1,2 |  |  |
| 795 Roble Rd | 198,000 SF | 10,000 SF | - | 90,000 SF | - |
| Lehigh Valley Indus Pk 3 | 198,000 SF | 09/22/2008 | Warehse/Direct | 90,000 SF | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 10/01/2008 | - | 54.6\% |  |
| Allentown, PA 18109 | B | - | 1 |  |  |
| 969 Postal Rd | 64,800 SF | 6,400 SF | - | 0 | - |
| Lehigh Valley Indus Pk 3 | 64,800 SF | 09/22/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 11/21/2008 | - | 100\% |  |
| Allentown, PA 18109 | C | - | 1 |  |  |

Leasing Activity Report 20,000+ LV 02/22/2008 to 02/21/2009

| Building Address | RBA | SF Leased | Rent Paid/yr | Current Total Avail | Tenant Name |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Building/Park Name | Typical Floor | Sign Date | Space Use/Type | Current Max Contig | Transaction Type |
| Submarket | Building Type | Move Date | Mailing Suite | Current Percent Leased |  |
| City | Class | Expiration Date | Leased Floor \#s |  |  |
| 7020 Snowdrift Rd | 41,390 SF | 5,000 SF | - | 0 | - |
| Iron Run Corporate Center | 41,390 SF | 09/25/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 12/31/2008 | - | 100\% |  |
| Allentown, PA 18106 | - | - | 1 |  |  |
| 8250 Industrial Blvd | 120,000 SF | 50,000 SF | \$3.80/nnn(est) | 0 | - |
| Boulder Business Center, Lot 3B | 120,000 SF | 09/29/2008 | Warehse/Sublet | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 02/26/2009 | - | 100\% |  |
| Breinigsville, PA 18031 | B | - | 1 |  |  |
| 735-745 Pittston St | 25,155 SF | 25,155 SF | \$3.00/nnn(est) | 0 |  |
| - | 8,385 SF | 10/07/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 03/06/2009 | - | 100\% |  |
| Allentown, PA 18103 | C | - | - |  |  |
| 8451 Willard Dr | 920,400 SF | 530,534 SF | \$5.50/negot(est) | 389,866 SF |  |
| Liberty Business Center,Liberty Business | 920,400 SF | 10/08/2008 | Warehse/New | 389,866 SF | Move In |
| Lehigh Valley Ind | Industrial/Distribution | 04/06/2009 |  | 57.6\% |  |
| Breinigsville, PA 18031 | A | - | 1 |  |  |
| 9747 Commerce Cir | 385,000 SF | 211,134 SF | - | 173,701 SF | - |
| Arcadia West Industrial Park,Lot 5 | 385,000 SF | 10/10/2008 | Warehse/New | 173,701 SF | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 04/08/2009 | - | 54.9\% |  |
| New Smithville, PA 19530 | A | - | 1 |  |  |
| 6831 Ruppsville Rd | 80,000 SF | 80,000 SF | - | 0 | - |
| Lehigh Valley Distribution Center \#12 | 80,000 SF | 10/13/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | - | - | 100\% |  |
| Allentown, PA 18106 | B | - | 1 |  |  |
| 945 Bethlehem Dr | 37,440 SF | 14,364 SF | \$3.75/nnn(est) | 0 | - |
| Bethlehem Business Park | 37,440 SF | 10/13/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 01/11/2009 | - | 100\% |  |
| Bethlehem, PA 18017 | C | - | 1 |  |  |

Leasing Activity Report 20,000+ LV 02/22/2008 to 02/21/2009

| Building Address | RBA | SF Leased | Rent Paid/yr | Current Total Avail | Tenant Name |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Building/Park Name | Typical Floor | Sign Date | Space Use/Type | Current Max Contig | Transaction Type |
| Submarket | Building Type | Move Date | Mailing Suite | Current Percent Leased |  |
| City | Class | Expiration Date | Leased Floor \#s |  |  |
| 550 S Green St | 80,000 SF | 27,000 SF | \$5.00/fs | 16,100 SF | - |
| PMK Bldg | 80,000 SF | 10/15/2008 | Warehse/Direct | 14,900 SF | Move In |
| Lehigh Valley Ind | Industrial | 03/14/2009 | - | 79.9\% |  |
| Nazareth, PA 18064 | C | - | 1 |  |  |
| 550 S Green St | 80,000 SF | 5,648 SF | \$4.75/fs | 16,100 SF |  |
| PMK Bldg | 80,000 SF | 10/15/2008 | Warehse/Direct | 14,900 SF | Move In |
| Lehigh Valley Ind | Industrial | 12/14/2008 | - | 79.9\% |  |
| Nazareth, PA 18064 | C | - | 1 |  |  |
| 313-331 N Madison St | 24,903 SF | 17,000 SF | - | 0 |  |
| - | 12,451 SF | 10/29/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 10/29/2008 | - | 100\% |  |
| Allentown, PA 18102 | B | - | 1 |  |  |
| 995 Postal Rd | 45,600 SF | 4,000 SF | - | 6,000 SF | - |
| Lehigh Valley Indus Pk 3 | 45,600 SF | 11/01/2008 | Flex/Direct | 6,000 SF | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 12/01/2008 | - | 86.8\% |  |
| Allentown, PA 18109 | - | - | 1 |  |  |
| 8014 Industrial Blvd | 407,000 SF | 37,000 SF | \$4.25/negot(est) | 0 | - |
| Boulder Business Center | 407,000 SF | 11/06/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 12/12/2008 | - | 100\% |  |
| Breinigsville, PA 18031 | B | - | 1 |  |  |
| 651 Boulder Dr | 522,000 SF | 298,000 SF | \$4.35/nnn(est) | 224,000 SF | - |
| Boulder Business Center | 522,000 SF | 11/06/2008 | Warehse/Direct | 224,000 SF | Move In |
| Lehigh Valley Ind | Industrial/Warehouse | 04/01/2009 | - | 57.1\% |  |
| Breinigsville, PA 18031 | A | - | 1 |  |  |
| 7346 Penn Dr | 72,000 SF | 20,000 SF | \$4.75/nnn(est) | 40,000 SF | - |
| William Penn Business Pk | 72,000 SF | 11/10/2008 | Warehse/Direct | 40,000 SF | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 02/08/2009 | - | 100\% |  |
| Fogelsville, PA 18106 | B | - | 1 |  |  |


Leasing Activity Report 20,000+ LV 02/22/2008 to 02/21/2009

| Building Address | RBA | SF Leased | Rent Paid/yr | Current Total Avail | Tenant Name |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Building/Park Name | Typical Floor | Sign Date | Space Use/Type | Current Max Contig | Transaction Type |
| Submarket | Building Type | Move Date | Mailing Suite | Current Percent Leased |  |
| City | Class | Expiration Date | Leased Floor \#s |  |  |
| 731 Engler Rd | 28,362 SF | 28,362 SF | - | 0 | - |
| Industrial Building | 28,362 SF | 11/19/2008 | -1 | 0 | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 03/01/2009 | - | 100\% |  |
| Nazareth, PA 18064 | C | - | 1 |  |  |
| 7346 Penn Dr | 72,000 SF | 40,000 SF | - | 40,000 SF | - |
| William Penn Business Pk | 72,000 SF | 12/05/2008 | Warehse/Direct | 40,000 SF | Move In |
| Lehigh Valley Ind | Industrial/Manufacturing | 05/04/2009 | - | 100\% |  |
| Fogelsville, PA 18106 | B | - | 1 |  |  |
| 871 Nestle Way | 119,900 SF | 119,900 SF | - | 0 | - |
| Allentown Crossing III | 119,900 SF | 12/31/2008 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industria/Warehouse | 04/01/2009 | - | 100\% |  |
| Breinigsville, PA 18031 | B | - | 1 |  |  |
| 2685 Brodhead Rd | 137,500 SF | 137,500 SF | \$5.25 | 0 | - |
| - | 137,500 SF | 01/01/2009 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industrial | - | - | 100\% |  |
| Bethlehem, PA 18015 | B | - | 1 |  |  |
| 7566 Morris Ct | 111,300 SF | 11,140 SF | - | 28,058 SF | - |
| Westpark Business Center,Lehigh Valley | 111,300 SF | 01/12/2009 | Warehse/Direct | 28,058 SF | Move In |
| Lehigh Valley Ind | Industrial/Distribution | 04/12/2009 | - |  |  |
| Allentown, PA 18106 | C | - | 1 |  |  |
| 8014 Industrial Blvd | 407,000 SF | 37,000 SF | \$4.75/negot(est) | 0 | - |
| Boulder Business Center | 407,000 SF | 01/29/2009 | Warehse/Direct | 0 | Move In |
| Lehigh Valley Ind | Industria/Warehouse | 02/01/2010 | - | 100\% |  |
| Breinigsville, PA 18031 | B | - | 1 |  |  |

Leasing Activity Report 20,000+ LV Le2/22/2008 to 02/21/2009

| Building Address <br> Building/Park Name <br> Submarket <br> City | RBA <br> Typical Floor Building Type Class | SF Leased <br> Sign Date <br> Move Date <br> Expiration Date | Rent Paid/yr <br> Space Use/Type <br> Mailing Suite <br> Leased Floor \#s | Current Total Avail Current Max Contig Current Percent Leased | Tenant Name Transaction Type |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 7485 Industrial Blvd <br> Westpark Business Center,Lehigh Valley <br> Distribution Ctr\#8 <br> Lehigh Valley Ind <br> Allentown, PA 18106 | $\begin{aligned} & \text { 203,704 SF } \\ & 203,704 \text { SF } \\ & \text { Industrial/Distribution } \\ & \text { B } \end{aligned}$ | $\begin{aligned} & 101,000 \text { SF } \\ & 02 / 13 / 2009 \\ & 08 / 12 / 2009 \end{aligned}$ | Warehse/Direct <br> 1 | $\begin{aligned} & 0 \\ & 0 \\ & 100 \% \end{aligned}$ | Move In |

Eastern and central Pennsylvania have become a primary regional and super regional distribution center location for users seeking facilities to ship goods to Boston, New York, New Jersey, Philadelphia, Baltimore, Pittsburgh and Washington, D.C. These markets are comprised of over 68 million people or roughly $22 \%$ of the nation's population. Given the trend to develop larger distribution centers that serve multiple markets and the relatively high cost of operating in New Jersey, many users are selecting eastern and central Pennsylvania due to its lower labor rates, non-traditional labor, lower land costs and
 in some locations, substantial state incentives.

Over the past few years, many large build-to-suit and speculative transactions have been successfully completed in eastern and central Pennsylvania. Given the accelerating trend towards reducing the costs of the supply chain, including the cost efficient distribution of finished products, many companies are choosing to consolidate multiple warehouses into centralized distribution centers in locations that serve multiple markets, offer abundant non-traditional labor and have lower real estate costs. As such, depending on the destination of the finished products, many companies are either relocating out of New Jersey or consolidating warehouse facilities into distribution centers located in eastern and central Pennsylvania. The area offers attractive labor costs, most of which is non-traditional labor, lower real estate costs, less congested roadways and very attractive economic incentives such as Keystone Opportunity Zones which eliminates or substantially reduces real estate taxes thru 2010 or 2013 depending on the site designation.


The eastern and central Pennsylvania industrial market is a distribution corridor that follows the path of Interstate 81 and Interstate 78 ("I81 and I-78 Corridor"). Interstate 81 runs parallel with the eastern seaboard, approximately one hundred fifty (150) miles west of the coastline. In general, this distribution corridor begins in Scranton, Pennsylvania through Hazleton to Harrisburg and down to Hagerstown, Maryland. This corridor is an ideal location for a major corporation to establish one large distribution facility to ship goods to the major metropolitan areas (Boston, New York, New Jersey, Philadelphia, Baltimore, Washington, D.C.) in the northeastern United States. The state's rail system (the nation's $5^{\text {th }}$ largest network) offers over 5,000 miles of rail and served by industry stalwarts such as CSX, Norfolk Southern, Canadian Pacific, as well as a host of short line operators. The region also offers immediate access to the ports of Newark, New York, Baltimore, and Norfolk, VA.

## Central PA

## Demographic Overview

The Central PA industrial submarket is comprised of Adams, Cumberland, Dauphin, Franklin, Lebanon, Perry and York Counties and is part of the Harrisburg MSA that has a population of approximately $1,330,830$ which is expected to grow by $4.7 \%$ over the next five years. The 2008 per capita estimated income is $\$ 26,131$ with a median household income of $\$ 52,816$. Currently, there are an estimated 131,212 people working in the production, transportation and material
 moving sectors which is ranked second only to the sales and office sector.

## Market Composition

The Central PA Industrial submarket is comprised of over 85.6 million square feet of logistic space, 37 million square feet of that being Class A product. There is no less than another 19.8 million square feet of planned or proposed projects in the pipeline with 2.9 million square feet of product currently under construction. Currently, asking rents for logistic space in the area average around a triple-net rate of $\$ 4.15$ PSF/YR.

## Central PA Warehouse/Distribution Statistics

|  | 4Q07 | $\mathbf{2 0 0 7}$ Year End | $\mathbf{1 Q 0 8}$ | $\mathbf{2 Q 0 8}$ | $\mathbf{3 Q 0 8}$ | 4Q08 | 2008 Year End |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Under Construction | 352,800 | 352,800 | 352,800 | $2,488,960$ | $1,864,960$ | $1,512,160$ | $1,512,160$ |
| Absorption | 275,239 | $\mathbf{2 , 1 7 3 , 4 4 4}$ | $<231,523>$ | 738,504 | 214,087 | $<55,988>$ | $\mathbf{6 4 7 , 0 8 0}$ |
| Inventory | $84,259,587$ | $84,259,587$ | $83,808,136$ | $84,118,186$ | $85,466,515$ | $86,650,175$ | $86,650,175$ |
| Vacant SF | $7,332,707$ | $7,332,707$ | $7,859,908$ | $7,477,649$ | $8,611,891$ | $9,869,539$ | $9,869,539$ |
| Vacancy Rate | $8.7 \%$ | $8.7 \%$ | $9.4 \%$ | $8.9 \%$ | $10.1 \%$ | $11.4 \%$ | $11.4 \%$ |

## Central PA Statistical Overview

In spite of a major consolidation and subsequent contraction of Exel Logistics in the beginning of the year, which effectively gave back over 750,000 square feet of space to the market, the Central PA submarket remained healthy from a demand perspective. Class A product remains the most desirable in the submarket as evidenced by continued consecutive quarters of positive absorption can attest.

The composition of tenants who recently committed to large blocks of space in the area includes food distributors, third-party logistics companies and retailers. This has been the historical composition of major tenants to the market, changing only in the relative size of each tenant base.

For the first time in over a year, rental rates gained ground, nearing the triple net rate of \$4.50 PSF/YR. This is most likely attributed to a slower construction pipeline compared to previous years coupled with the areas consistent low vacancy numbers.

## Forecast

While direct retailer supply-chain requirements will most likely remain dormant until the economy starts an upswing from an impending trough in the economic cycle, third-party logistics companies will most likely be the most prevalent tenants in the market place for the short term. Expect rates to hold steady after their recent jump as landlords will find that they have a bit less leverage at the negotiation table from a slowdown in overall demand, but not yet succumbing to a tenant's market.

## Construction Overview

Under Construction

| Property | Size | Purpose | Owner |
| :--- | :--- | :--- | :--- |
| AMB I-81 Distribution Center | 352,800 SF | Speculative | AMB Development |
| Greenspring Industrial Park | 342,160 SF | Speculative | First Industrial Realty |
| Key Logistics Park | $1,170,000$ SF | Speculative | Lauth |
| Davies Facility - Church \& Dwight | $1,100,000$ | Build-to-Suit | First Industrial Realty |

Recent Completions

| Property | Size | Purpose | Owner |
| :--- | :--- | :--- | :--- |
| 35 Dauphin Dr. | 310,050 SF | Speculative | Seagis Property Group |
| Carlisle Distribution Center - Building 7 | 575,000 SF | Built-to-Suit | ING Clarion |
| I-83 Logistics Center | 624,000 Sf | Speculative | Verus Partners |

## Recent Land Sales

| Address | Township/Town | Date | Acres | Sale Price | S/Acre | Buyer | Seller |
| :--- | :--- | :--- | :---: | :--- | :--- | :--- | :--- |
| 437 Walnut Bottom Rd | Shippensburg | Oct-08 | 48 | $\$ 642,758$ | $\$ 13,390.79$ | John \& Eva Reiff | Robert \& Jeanette Kasper |
| 260 Hidden Lane | Thomasville | Sep-08 | 232 | $\$ 15,000,000$ | $\$ 64,655.17$ | FI Independence Property <br> Holdings, LP | Jackson Holdings, LLC |
| Key Logistics Park | Newville | May-08 | 86.54 | $\$ 11,575,500$ | $\$ 133,758.95$ | Metro Acquisitions, LLC | Key Logistics Park, LLC |
| I-81 Distribution Center | Chambersburg Borough | Apr-07 | 55 | $\$ 8,370,000$ | $\$ 152,181.81$ | Liberty Property Trust | Berwind Property Group |
| Upper Allen Business Park | Upper Allen Township | Mar-06 | 22.47 | $\$ 3,100,000$ | $\$ 137,961.73$ | Verus Partners | Conewago Contractors |
| 1700 Ritner Highway | Carlisle Borough | Aug-05 | 46 | $\$ 6,025,000$ | $\$ 130,978.26$ | Higgins Development Partners | Key Real Estate, LLC |

Recent Building Sales

| Address | Town | Size (sf) | Sale Date | Buyer | Seller | Price | \$/sf |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7700-7919 Derry St | Harrisburg | 100,000 | Jul-08 | DP Partners Derry St | Propertymax Partners | \$5,405,041 | \$54.05 |
| 3900 Industrial Road | Harrisburg | 735,600 | Apr-08 | KTR Harrisburg, LLC | Selco Service Corp | \$30,250,000 | \$41.12 |
| 3400 Industrial Road | Harrisburg | 294,450 | Mar-08 | Exeter 3400 LP | Endurance | \$12,514,125 | \$42.50 |
| 8051 Allentown Blvd | Harrisburg | 291,907 | Feb-08 | Hayden Marsh Creek Assoc | MGB Enterprises | \$11,200,000 | \$38.37 |
| 4501 Westport Drive | Lower Allen Tsp | 502,446 | Jan-08 | TRT-DCT Westport, LLC | West Harrisburg, LLC | \$25,500,000 | \$50.75 |
| 6345 Brackbill Blvd | Mechanicsburg | 507,634 | Dec-07 | Orix Real Estate Capital | Lexington Corp Properies | \$25,500,000 | \$50.23 |
| 2000 N. Union Street | Lower Swatara Tsp | 112,000 | Dec-07 | Cabot II Pa2b01, LLC | Dallas Spring Corp | \$6,000,000 | \$53.57 |
| 801 Spangler Road | Camp Hill | 163,046 | Dec-07 | J\&R Investments, Inc | Conewago Contractors, Inc | \$5,530,000 | \$33.92 |
| 1225 S Market St | Mechanicsburg | 547,749 | Nov-07 | Hampshire Equity Partners | BD Book Clubs GP | \$13,900,000 | \$25.38 |
| 500 Independence Ave | Mechanicsburg | 342,500 | Jun-07 | VIF II / Harrisburg, LP | Upper Allen LP | \$16,800,000 | \$49.05 |
| 571 Independence Ave | Mechanicsburg | 378,000 | Mar-07 | RREEF | Dividend Capital | \$20,350,000 | \$53.84 |
| 100 Louis Parkway | Carlisle | 400,000 | Jan-07 | 100 Louis Parkway, LLC | Triple Crown Corp | \$18,400,000 | \$46.00 |
| 7125 Grayson Road | Harrisburg | 300,000 | Dec-05 | First Industrial | High Street | \$14,474,000 | \$48.25 |
| 7195 Grayson Road | Harrisburg | 100,000 | Oct-05 | First Industrial | High Street | \$5,240,000 | \$52.40 |
| 7253 Grayson Road | Harrisburg | 200,000 | Oct-05 | First Industrial | High Street | \$9,780,000 | \$48.90 |

## Recent Leases

| Address | Town | Size (sf) | Signed | Owner | Tenant | Base | $\begin{aligned} & \text { Term } \\ & \text { (mos) } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Harrisburg Distribution Ctr - Bldg 8 | Harrisburg | 140,000 |  | ProLogis | Ozbourne Hessey |  |  |
| Carlisle Distribution Ctr - Bldg 7 | Carlisle | 575,000 |  | ING Clarion | Exel Logistics |  |  |
| Middletown Distribution Ctr |  | 490,140 |  | ProLogis | APC |  |  |
| 2294 Molly Pitcher Hwy | Chambersburg | 120,000 |  | Keystone Property Trust | Staples |  |  |
| 801 Spangler Road | Camp Hill | 165,000 | 2008 |  | GENCO Distribution | \$4.80 | 12 |
| 2501 Sycamore Street | Harrisburg | 25,000 | 2008 |  | ACD Distribution , LLC | \$3.95 | 60 |
| 7253 Grayson Road | Harrisburg | 38,908 | Oct-08 | High Street Equity Advisors | Good Publishing, LLC | \$4.55 | 60 |
| Independence Drive | Mechanicsburg | 154,000 | Sep-08 |  | Kane is Able | \$4.33 | 36 |
| 1485 W. Commerce Drive | Carlisle | 439,088 | Sep-08 | Liberty Property Trust | LTS Logistics | \$3.27 | 84 |
| 1225 S Market Street | Mechanicsburg | 53,479 | Sep-08 |  | QPSI | \$3.20 | 24 |
| 7195 Grayson Road | Harrisburg | 20,000 | Sep-08 | High Street Equity Advisors | Scientific Games Int'I | \$5.20 | 120 |
| 100 Louis Parkway | Carlisle | 213,310 | Jul-08 | 100 Louis Pkwy, LLC | Carolina Logistic Services | \$4.25 | 60 |
| 225 Cross Farm Lane | York | 675,000 | Mar-08 | First Industrial | UNF | \$3.80 | 144 |
| 36 East Main St | New Kingstown | 146,500 | Jun-08 | 36 E Main St Associates | CN Worldwide Distribution | \$4.34 | 63 |
| 1225 S. Market Street | Mechanicsburg |  | Apr-08 | Hampshire Partners | PBD World Fulfillment Svcs | \$3.20 | 24 |
| 3380 Susquehanna Trail N | Emigsville | 112,500 | Mar-08 | Hager Pacific Properties | Starbucks Corporation | \$4.12 | 60 |
| 201 Fulling Mill Road | Middletown | 650,000 | Mar-08 | ProLogis | APC | \$3.95 | 60 |
| 431 Railroad Ave | Shiremanstown | 70,493 | Jan-08 | First Industrial Realty Trust | Bodybuilding.com LLC | \$3.97 | 60 |
| 1400 Distribution Drive | Carlisle | 41,765 | Jan-08 | ProLogis | Tire Centers, LLC | \$4.71 | 86 |
| 7125 Grayson Road | Harrisburg | 142,500 | Dec-07 | 7125 Grayson Rd Owner, LP | American Power Conversion | \$3.90 | 14 |
| 1301 Distribution Drive | Carlisle | 811,200 | Sep-07 |  | Pepsi Corporation | \$3.99 | 180 |
| 1 Logistics Drive | Carlisle | 800,000 | Jul-07 | Exel / ING-Clarion | Whirlpool | \$4.38 | 33 |
| Fairview Industrial Park | Fairview | 387,500 | Mar-07 | Liberty Property Trust | Ceva | \$4.25 | 60 |
| 3380 Susquehanna Trail N | Emigsville | 112,500 | Mar-07 | First Industrial Realty | Starbucks Corporation | \$4.06 | 14 |
| Fairview Industrial Park | Fairview | 412,500 | Feb-07 | Liberty Property Trust | Broder Brothers | \$4.15 | 120 |
| 100 Louis Parkway | Carlisle | 187,000 | Feb-07 | IDI | Carolina Logistics | \$4.25 | 60 |
| 100 Louis Parkway | Carlisle | 213,000 | Feb-07 | IDI | Carolina Logistics | \$4.25 | 12 |
| LogistiCenter at Carlisle | Carlisle | 775,000 | Dec-06 | DP Partners | Pepsi | \$4.02 | 180 |
| LogistiCenter at Carlisle | Carlisle | 811,200 | Dec-06 | DP Partners | Pepsi | \$4.02 | 180 |
| 80 S Middlesex | Carlisle | 140,000 | Nov-06 | ProLogis | OHL | \$4.25 | 36 |
| 40 E Main Street | Mechanicsburg | 424,520 | Nov-06 | SK Realty | Arnold Logistics | \$4.00 | 60 |
| 1400 Distribution Drive | Carlisle | 137,000 | Aug-06 | DP Partners | Anderson Window | \$4.40 | 42 |
| 500 McCarthy | Lewisberry | 705,000 | Jul-06 | Liberty Property Trust | Amazon.com | \$3.85 | 60 |
| 601 Memory Lane | York | 103,600 | Jun-06 | New Boston Fund, Inc. | Eagle Global Logistics | \$3.99 | 60 |
| 5 Tru-Temper Drive | Carlisle | 515,000 | May-06 | JFR Global Investment | SC Johnson | \$4.30 | 60 |

## Lehigh Valley

## Demographic Overview

The Lehigh Valley industrial submarket is comprised of Lehigh and Northampton Counties and is part of the Allentown/Bethlehem MSA that has a population of approximately 639,064 which is expected to grow by nearly $6 \%$ over the next five years. The 2008 per capita estimated income is $\$ 26,197$ with a median household income of $\$ 52,417$. Currently, there are an estimated 54,014 people working in the production, transportation and material moving sectors which is ranked third behind the professional \& related occupations and
 sales \& office lines of business.

## Market Composition

The Lehigh Valley Industrial submarket is comprised of over 32 million square feet of logistic space, 23 million square feet of that being Class A product. There is no less than another 5 million square feet of planned or proposed projects in the pipeline with 1.9 million square feet of product currently under construction. Currently, asking rents for logistic space in the area average around a triple-net rate of $\$ 4.60$ PSF/YR.

## Lehigh Valley Warehouse/Distribution Statistics

|  | $\mathbf{4 Q 0 7}$ | $\mathbf{2 0 0 7}$ Year End | $\mathbf{1 Q 0 8}$ | $\mathbf{2 Q 0 8}$ | $\mathbf{3 Q 0 8}$ | 4Q08 | 2008 Year End |
| ---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Under Construction | $1,354,900$ | $1,354,900$ | $2,676,900$ | $1,745,500$ | $1,456,375$ | $1,274,000$ | $1,274,000$ |
| Absorption | 485,703 | 938,246 | $<204,774>$ | 365,050 | 940,701 | $1,587,775$ | $2,514,752$ |
| Inventory | $29,162,982$ | $29,162,982$ | $31,052,644$ | $32,092,944$ | $32,859,544$ | $34,087,919$ | $34,087,919$ |
| Vacant SF | $2,578,326$ | $2,578,326$ | $4,766,789$ | $5,466,239$ | $5,267,938$ | $5,082,538$ | $5,082,538$ |
| Vacancy Rate | $8.8 \%$ | $8.8 \%$ | $15.4 \%$ | $17.0 \%$ | $16.0 \%$ | $14.9 \%$ | $14.9 \%$ |

## Lehigh Valley Statistical Overview

After the Bombay company and TruValu shutting their doors on their facilities and subsequently giving over half of a million square feet of space back to the market during the end of 2007 and the beginning of 2008, the submarket rebounded in the more recent quarters. While demand helped post strong absorption numbers, most of the new deals occupied built-to-suit space, keeping vacancy above the 10 percent mark so far this year.

Class A asking rents went along for the see-saw swing in absorption. Currently Class A rates are at $\$ 4.47$ PSF/YR NNN and are closer to their former high of \$4.74 PSF/YR NNN from just one year ago. Overall logistic asking rents in the Lehigh Valley have steadily risen since the beginning of 2007 and are up $2.42 \%$ from just one year ago.

In spite of the current economic maelstrom, development has picked up over the past three quarters as fully 2.596 MM square feet of new logistic space is coming out of the ground. Year-to-date, the submarket has grown by $14.2 \%$ with 4.255 MM square feet of new product added to the market this year.

## Forecast

With retailers starting to feel the pinch from the financial and housing market decline and experts predicting disappointing holiday sales, demand will undoubtedly fall off in the short term. But the Lehigh Valley's role as a key distribution hub will not change. While deal velocity will slow on the leasing side, developers are in a great position to buy land for future developments as the price-per-acre mark has been steadily falling since the beginning of the year.

## Construction Overview

## Under Construction

| Property | Size | Purpose | Owner |
| :--- | :--- | :--- | :--- |
| Prologis Park 33 - Building II | $870,000 \mathrm{SF}$ | Built-to-Suit | ProLogis |
| Majestic Athletic | $358,375 \mathrm{SF}$ | Build-to-Suit | Verus Partners |
| Bethlehem Crossing IV | $228,000 \mathrm{SF}$ | Speculative | OPUS |
| Lehigh Valley Crossings | $580,000 \mathrm{SF}$ | Speculative | OPUS |

Recent Completions

| Property | Size | Purpose | Owner |
| :--- | :--- | :--- | :--- |
| AMB I-78 Distribution Center Building 100 | 700,000 SF | Speculative | AMB Development |
| Liberty Business Center - Building I | 920,400 SF | Speculative | Liberty Property Trust |
| Liberty Business Center - Building II | 451,600 SF | Built-to-Suit | Liberty Property Trust |
| Lehigh Valley South Distribution Center | 315,000 SF | Speculative | Trammel Crow |

## Recent Land Sales

| Address | Township | Date | Acres | Sale Price | S/Acre | Buyer | Seller |
| :--- | :--- | :--- | :---: | :--- | :--- | :--- | :--- |
| Route 512, Arcadia East |  |  | 54 | $\$ 6,259,000$ | $\$ 115,907.41$ | Higgins Development <br> Partners |  |
| Uhler Rd @ Kesslersville | Forks Township | Jun-08 | 31.26 | $\$ 4,125,871$ | $\$ 131,985.64$ | Henningsen Cold Storage Co | JG Petrucci |
| 3857 Easton Nazareth Hwy | Lower Nazareth Twp | Mar-07 | 58 | $\$ 13,000,000$ | $\$ 224,137.93$ | First Industrial | JG Petrucci (Tiger Den <br> Partners) |
| Route 100/7951 Schantz | Upper Macungie Twp | Jan-06 | 81 | $\$ 17,286,000$ | $\$ 213,407.41$ | Nestle Foods | Verus Partners |
| 9750 Commerce Circle | Weisenburg Twp | Aug-05 | 29.4 | $\$ 5,535,000$ | $\$ 188,265.31$ | Higgins Development <br> Partners | Arcadia West Associates |
| 3857 Easton Nazareth Hwy | Lower Nazareth Twp | Jul-05 | 58 | $\$ 7,200,000$ | $\$ 124,137.93$ | JG Petrucci | Higgins Development Partners |
| 8301 Industrial Blvd | Upper Macungie Twp | Mar-05 | 270 | $\$ 33,131,328$ | $\$ 122,708.62$ | Liberty Property Trust | Fred Jaindl |
| Hanover Corporate Center | Hanover Twp | Jul-04 | 37 | $\$ 4,498,763$ | $\$ 121,588.19$ | IDI | David Jandl Land Co. |

## Recent Building Sales

| Address | Town | Size (sf) | Sale Date | Buyer | Seller | Price | \$/sf |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9729 Commerce Circle (11.14 acres) | New Smithville | 108,000 | Sep-08 |  | Arcadia West Lot 5, LLC |  |  |
| William Penn Business Ctr Portfolio | Fogelsville | $\begin{aligned} & \hline 314,161 \\ & \text { (total) } \\ & \hline \end{aligned}$ | Jul-08 | High Street Equity Advisors | First Industrial Realty Trust | \$20,100,000 | \$63.98 |
| 7880 Stroh Dr | Breinigsville | 650,000 | Jun-08 | Boston Beer Company, Inc. | Guinness UDV NA Inc. | \$55,000,000 | \$84.62 |
| 140 Mickley Road (13.3 acres) | Whitehall | 150,000 |  | Protica, Inc. | Saputo Cheese USA | \$2,400,000 | \$16.00 |
| $403^{\text {rd }}$ Street | Walnutport | 173,000 | Feb-08 | Elk Lighting, Inc | Paris Accessories | \$1,487,500 | \$8.6 |
| 7130 Ambassador Dr | Allentown | 114,049 | Jan-08 | Exeter 7130 Ambassador LP | Brandywine Realty Trust | \$5,800,000 | \$50.86 |
| 7132 Daniels Drive | Upper Macungie | 289,800 | Nov-07 | 7132 Daniels Dr Associates LP | Liberty Property Trust | \$13,775,000 | \$47.53 |
| 3747 Hecktown Road | Easton | 232,180 | Nov-07 | Phillips Feed \& Pet Supply | Supervalu Holdings-PA, LLC | \$10,039,925 | \$43.24 |
| 2410 Northampton St | Easton | 306,500 | Oct-07 | Safavieh Carpets | JG Petrucci Co., Inc. | \$8,800,000 | \$28.71 |
| 9750 Commerce Drive | Lehigh Valley | 503,423 | Apr-07 | Divident Capital Trust | Higgins Development Partners | \$29,900,000 | \$59.54 |
| 795 Roble Road | Allentown | 198,000 | Feb-07 | ABR Realty, LLC | JG Petrucci Co., Inc. | \$6,475,000 | \$32.70 |
| 1035 Mill Road | Upper Macungie | $\begin{aligned} & 11.83 \\ & \text { acres } \end{aligned}$ | Jan-07 | Equity Ind A-Allentown LLC | 1035 Mill Rd Associates LP | \$7,650,000 |  |
| 200 Cascade | Allentown | 550,000 | Jan-07 | First Industrial Realty | Conewago Equities | \$25,000,000 | \$45.45 |
| 9775 Commerce Circle | Weisenberg | 224,000 | Dec-06 | Gugenheim Partners | Arcadia West Assoc | \$12,250,000 | \$54.69 |
| 9750 Commerce Circle | Weisenberg | 498,988 | Sep-06 | Dividend Capital | Arcadia West Assoc | \$29,975,000 | \$60.07 |
| 9784 Commerce Circle | Weisenberg | 95,106 | Aug-06 | Genworth Life | Skeans | \$7,400,000 | \$77.81 |
| 1002 Patriot Drive | Muhlenberg Twp | 609,000 | Jun-06 | Brasler Prop \& Endurance RE | GE Capital | \$32,000,000 | \$53.00 |

## Recent Leases

| Address | Town | Size (sf) | Signed | Owner | Tenant | Base | Term |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lehigh Valley West II |  | 188,695 |  | Liberty Property Trust | Moore Wallace |  |  |
| 6923 Schantz Road |  | 100,000 |  | Liberty Property Trust | JM Rapp |  |  |
| Lehigh Valley Distribution Ctr \#8 |  | 103,704 |  | ProLogis | BMS Logistics |  |  |
| 6355 Farm Bureau Road |  | 127,000 |  | Genco | ICO Polymers |  |  |
| 1480 Zeager Road (Conewago Industrial Park Lot 1) | Elizabethtown | 144,000 | 2008 | ZR, Inc. | Western Power Sports (Sub) | \$4.75 | 180 |
| 8000 Quarry Road | Lower Macungie | 362,250 | 2008 | AMB Property Corp | Cooper Tire | \$4.30 | 92 |
| Boulder Business Park | Fogelsville | 451,000 | 2008 | Liberty Property Trust | Home Depot | \$5.42 | 120 |
| 7339 Industrial Blvd | Allentown | 92,143 | Apr-08 | Liberty Property Trust | Nexus Distribution Corp | \$3.95 | 36 |
| 9747 Commerce Circle | New Smithville | 385,000 | Mar-08 | Higgins Development Partners | TEVA Pharmaceuticals | \$4.34 | 75 |
| 2685 Brodhead Road | Bethlehem | 137,500 | Jan-08 | Bethlehem Crossings III, LLC | Crayola | \$5.25 | 60 |
| 7248 Industrial Blvd | Allentown | 497,000 | Nov-07 | Liberty Property Trust | Nexus Distribution Corp | \$4.03 | 120 |
| 3819 ProLogis Parkway | Easton | 870,000 | Jul-07 | ProLogis | BMW Of North America | \$5.22 | 120 |
| 8400 Industrial Blvd | Breinigsville | 726,000 | Apr-07 |  | Dial Corporation | \$4.20 | 84 |
| 700 Nestle Way | Breinigsville | 251,000 | Mar-07 | Liberty Property Trust | Moore Wallace State Printing | \$4.02 | 108 |
| 250 Boulder Drive | Breinigsville | 210,000 | Feb-07 | Higgins Development Partners | Amertech | \$4.25 | 60 |
| Hanoverville Road | Bethlehem | 1,016,423 | Jun-06 |  | C\&S Wholesale Grocers | \$4.08 | 60 |
| 1139 Lehigh Avenue | Allentown | 316,000 | Jan-06 | Principal Properties | Sephora | \$5.19 | 60 |
| 910 Nestle Way | Breinigsville | 490,000 | Jan-06 | OPUS East | DHL Express | \$8.78 | 240 |
| 860 Nestle Way | Allentown | 197,400 | Oct-05 | Liberty Property Trust | Nexus Distribution Corp | \$4.25 | 12 |
| 861 Nestle Way | Breinigsville | 822,000 | Jun-05 | ProLogis | Home Depot USA, Inc. | \$4.15 | 45 |
| 7339 Industrial Drive | Allentown | 178,048 | May-05 | Liberty Property Trust | DHL Express | \$4.30 | 17 |
| 7384 Penn Drive | Fogelsville | 112,000 | Feb-05 | Liberty Property Trust | Compuspar | \$4.25 | 84 |

In This Issue...

The Bottom Line ...................... 1
Vacancy Rates $\qquad$
State of the Market . $\qquad$
Rental Rates $\qquad$5

Metro Spotlight ...................6-7

## Industrial Market Trends

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## When Will It End?

US INDUSTRIAL VACANCY RATE*


* All product types


## THE BOTTOM LINE

Because demand for industrial space does not directly depend on job creation - a lagging economic indicator - it may pick up earlier than demand for other property types. There was some evidence of that in the fourth quarter as net absorption, though still negative, hit its shallowest level of 2009. The manufacturing sector in particular is showing signs of life as companies begin to restock inventories that had fallen to subsistence levels. Global trade and freight shipments are on the rise, portending a pickup in demand for warehouse-distribution space. And technology may be among the earliest sectors of the economy to rebound, which could support demand for R\&D-flex space in some areas. Expect the leasing market to bottom out by the end of 2010 and embark on a gradual recovery in 2011.

## TOTAL MARKET VACANCY RATES

Note: Vacancy data refer to general industrial, warehouse/distribution, R\&D/flex and incubator buildings with size thresholds ranging from 5,000 square feet in smaller markets to 25,000 square feet in larger markets. Inventory includes multi-tenant, single-tenant and owner-occupied space.


## STATE OF THE MARKET

Vacancy increased for a ninth consecutive quarter to end 2009 at 10.7 percent, its highest level since the first quarter of 1994. In the second half of last year, vacancy increased by 60 basis points compared with a gain of 130 basis points in the first half, meaning that the rate of softening moderated as the year progressed. The availability rate ended the year at 13.9 percent, considerably above the vacancy rate because some space that was counted as occupied at year-end will be offered on the market within the next six months. Thus, the market is softer than indicated by the vacancy rate alone.

Among the major markets, vacancy remained lowest in land-constrained Los Angeles County at 3.3 percent and was highest in economically depressed Detroit at 22.0 percent. Vacancy increased most sharply last year in San Diego, Las Vegas and Palm Beach County, Fla., all of which recorded gains of 400 to 500 basis points. Not coincidentally, the severe housing bust in these areas impacted consumer spending and construction activity, both of which help drive demand for industrial space. Only Oklahoma City, where energy plays a big role in the local economy and the housing market was stable, saw vacancy tighten slightly in 2009.

Absorption totaled a negative 136 million square feet last year - the amount of space given up by occupiers with move-ins and move-outs netted out. Fourth quarter absorption was a negative 16.4 million square feet, the shallowest decline of the year.

Northern and Central New Jersey occupiers gave up 22 million square feet in 2009, well behind second-to-last place Atlanta where negative absorption totaled 11 million square feet. A small handful of markets recorded positive absorption last year, led by Columbus, Ohio where occupied space increased by 1.5 million square feet.

Space under construction plunged for a ninth consecutive quarter with a minimal 14.9 million square feet still under way at year-end. This represents a little over 0.1 percent of the standing inventory, the lowest ratio since Grubb \& Ellis began tracking the U.S. industrial market in 1986.

> Dallas-Fort Worth led all markets with 1.6 million square feet still to be completed, most of it in the DFW Airport and Northwest Dallas submarkets. Five other markets each had more than 1 million square feet remaining in the pipeline: Philadelphia, the Inland Empire (east of Los Angeles), Oklahoma City, Phoenix and Houston.

The average asking rental rate for all types of industrial space offered on the market at year-end was $\$ 5.21$ per square foot per year triple net, a decline of 2.2 percent in the fourth quarter and 6.8 percent in 2009. Among the three major property subtypes, asking rates fell last year by 9.1 percent for R\&D-flex space, 7.1 percent for warehouse-distribution space and 3.0 percent for general industrial space (primarily manufacturing).

Asking rental rates for warehouse-distribution space fell last year by more than 20 percent in Miami, Sacramento, Orange County, the Inland Empire and Albuquerque. Surprisingly, the asking rate in Los Angeles slipped by 16.6 percent despite the market's low year-end vacancy rate of 3.3 percent. The same phenomenon is evident in the office market where New York City, though it maintains one of the lowest vacancy rates in the U.S., saw the asking rate for Class A office space dip 23 percent. This suggests that tight real estate markets can be subject to big swings in rental rates as demand for space ebbs and flows.

Industrial space available for sublease ended 2009 at 133 million square feet, equivalent to 1.1 percent of the total inventory of space. Available sublease space has more than doubled from its recent low point of 60 million square feet in the first quarter of 2006. By comparison, 3.0 percent of the office inventory was available for sublease at year-end 2009.

Broward County, Fla. led all other markets with a sublease availability rate of 2.2 percent.

## FORECAST

Industrial is likely to be one of the first, if not the first commercial property type to bottom out and embark on a recovery. The reason is that occupier demand for industrial space is less dependent on job creation, a lagging economic indicator, compared with the office, retail and apartment markets. Moreover, the drivers of demand for industrial space - production activity, freight shipments and global trade - have bottomed out and begun to grow again, at least tentatively.

The Institute for Supply Management's purchasing managers index rose in January to 58.4, its highest level since August 2004. (Index values above 50 indicate an expanding manufacturing sector, while values below 50 indicate contraction.) The index is a composite of nine other indexes including new orders, production, supplier delivery times, backlogs, inventories, prices, employment, export orders and import orders. The production index increased to 66.2 in January, its highest level since April 2004 while new orders, a leading indicator of production, rose to 65.9. Inventories remained below 50, a sign
that production activity will remain strong for the next few months as manufacturers replenish their depleted inventories. The import and export indexes increased to 56.5 and 58.5 , respectively. Growth in imports is helpful for logistics related markets such as the Inland Empire, while growth in exports supports demand for light assembly and manufacturing space. More broadly, a recovery in the manufacturing sector will boost demand for all types of industrial properties.

The improvement in the ISM index and its components is reflected in the steady moderation of vacancy increases and negative absorption in recent quarters. The trend line suggests that industrial vacancy could peak as early as mid-2010 and embark on a gradual, multi-year recovery cycle late this year or early 2011. However, a return to market equilibrium remains several years away.

## ASKING RENTAL RATES

Note: Rental rate data refer to space that is available on the market at the end of the quarter. Rates are per square foot, quoted on a triple net basis. Rates for each building are weighted by the amount of available space within the building.

## Warehouse/Distribution \$ Asking Rent




## NORTHERN CALIFORNIA/ PACIFIC NORTHWEST

Fresno: Activity remained very slow through the end of 2009. Look for transaction levels to increase in the first half of 2010... Oak-land-East Bay: Vacancy increased by 130 basis points in 2009, though it remained below 5 percent at year-end. Occupied space fell by 1.7 million square feet (negative net absorption) in 2009. Blend-and-extend leases will remain popular in 2010... Portland: New to the market, MOR Furniture leased 105,000 square feet at Kelley Point in Rivergate, and Allvia took down 126,000 square feet in the Sunset Corridor... Sacramento: During 2009, over 2 million square feet of negative net absorption was recorded, affecting virtually every submarket and property type... San Jose-Silicon Valley: Facebook signed a 265,000-square-foot sublease for three R\&D-flex and general industrial properties in Palo Alto... Seattle: The industrial sales market remained slow with only 13 transactions of over $\$ 2$ million each during the quarter. Expect sales to increase in 2010 as prices finish their downward adjustment. Significant speculative development will not return until 2011 at the earliest.


## SOUTHERN CALIFORNIA/ PACIFIC SOUTHWEST

Bakersfield: Landlords are aggressively reducing rental rates and offering lease incentives to attract tenants. Sales remain slow due to the lack of credit... Los Angeles: Absorption was negative through 2009, but it trailed off in the third and fourth quarters. Demand for warehouse and manufacturing space is expected to increase in 2010 as businesses restock inventories... Orange
County: Demand from Asian economies combined with new innovations in computer, medical and green technologies should spur growth during the second half
of 2010... Riverside-San Bernardino: Landlords are highly competitive, creating opportunities for distributors seeking to streamline their transportation and operating costs... San Diego: Fourth quarter absorption of negative 897,000 square feet brought the full-year total to negative 4.2 million square feet.


## MOUNTAIN/SOUTHWEST

Albuquerque: Although demand is still sluggish, activity has picked up in a few sectors including environmental services, alternative energy, education, medical supplies and government... Boise: Vacancy has risen and rental rates have dropped... Bozeman: There is a significant amount of new product within the Four Corners submarket, pushing vacancy higher and rental rates lower... Colorado Springs: The downturn continues... Denver: The previously announced departure of Albertson's drove absorption into the red. Losses within smaller retail warehousing operations were also evident as stores proved reluctant to maintain large inventories after the holidays... Kalispell: Warehouse absorption has slowed with rental rates moving slightly lower... Las Vegas: Growing vacancies have pushed landlords to reevaluate marketing strategies. Concern over the financial stability of landlords has become important to large institutional tenants... Phoenix: Despite positive fourth-quarter absorption, the year finished at negative 2.7 million square feet -a record... Reno: Land pricing has remained fairly flat even though land sales are nearly nonexistent due to the lack of financing.


## TEXAS/GREAT PLAINS

Austin: Tenants are beginning to wade into the market to take advantage of low lease rates. Recent examples include leases by Avant Technology, Elec-
tronic Arts and Directed Manufacturing... Dallas-Fort Worth: The market is starting to stabilize as evidenced by the reduced rate of negative absorption and a flattening of vacancy and rental rates... Houston: The surge of new space deliveries coupled with decreased leasing demand has pushed vacancy up roughly 150 basis points over the last year... Kansas City: The Fed's monthly Survey of Manufacturers indicated that month-over-month production in the seven-state district increased for the fifth straight month... Oklahoma City: At least two out-ofstate industrial users with space needs in excess of 300,000 square feet are looking in the market. Hobby Lobby continues to grow, filling its newly constructed 800,000-square-foot-facility and will build again on its 115-acre property... Omaha: Most businesses are trying to ride out the storm by keeping inventories lean... San Antonio: An oversupplied market coupled with low demand has sidelined developers... St. Louis: Local manufacturers are seeing an uptick in their order books. New development will remain on hold until at least 2011... Wichita: During the first quarter, Coleman will move some of its warehouse operations to Kansas City, which will push the local vacancy rate above 6 percent.


## GREAT LAKES/ OHIO VALLEY

Appleton: The 105,000-square-foot Wausau Paper property is on the market for lease or sale... Chicago: 3PLs signed large lease renewals in the fourth quarter as UTi renewed its 593,000-square-foot lease in Aurora and Caterpillar Logistics renewed for 296,000 square feet in Montgomery. Lease rates are predicted to decline by an additional 2 to 3 percent over the next 12 months. Sale-leaseback deals will be on the rise as occupiers seek capital... Cincinnati: The worst appears to be over. Recovery in the hardest hit sector,
bulk distribution space, will be slow. Early indicators point to increased demand for general industrial product... Cleveland: Financing remains a big challenge, but leasing activity is on the upswing and market velocity has increased as landlords recalibrate pricing expectations. HRPT Properties Trust paid $\$ 34$ million for the 650,000-square-foot former Henkel's manufacturing building in Avon... Columbus: Kraft Foods leased 937,000 square feet at Rickenbacker 936. Buckeye Diamond Logistics leased a total of 357,400 square feet... Detroit: The majority of negative absorption this quarter came from tenants vacating smaller blocks of space between 10,000 and 20,000 square feet. Investments in alterative energy and advanced battery systems fostered by tax abatements and Energy Department grants will generate positive absorption in some submarkets this year... Elkhart/Goshen: Local RV companies have begun to rehire as their sales increase. The "green industry initiative," comprised of companies in the hybrid and electric vehicle industries, is showing promise... Grand Rapids/West Michigan: The overall vacancy rate held steady below 10 percent, meaning that the market has weathered the recession very well... Green Bay: Showing relative stability, the overall vacancy rate declined by 50 basis points during the second half of 2009... Indianapolis: Existing buildings will lease up as new construction virtually ceases. Recent tenant activity seems to indicate a more positive outlook for 2010... Madison: Downsizing, consolidations and plant closings generated 604,000 square feet of negative absorption in 2009, pushing vacancy above 7 percent... Milwaukee: Racine and Kenosha counties completed a successful year, capped by fourth quarter absorption totaling 132,000 square feet. Waukesha County remains one of the most active markets in the region with a vacancy rate of 6.0 percent... Minneapolis: The market downdraft
seemed to abate somewhat in the fourth quarter... South Bend: The expanding supply of product will drive rental rates lower in the next few quarters.


## NORTHEAST/

 MID-ATLANTICBaltimore: Market activity has increased slightly, but rental rates are still dropping while concessions continue to rise. Vacancy rates also continue to increase, but with no new construction coming online, they are expected to level out in the near future...
Boston: Aspen Aerogels, a leader in thermal management and insulation, leased 83,000 square feet in Northborough. Thermo-Fisher Scientific, a large life sciences supply firm, added 45,000 square feet in Wilmington, providing a boost to a submarket hit hard by the recession... Long Island: Vacancy remained flat at 5 percent through the second half of 2009, a hopeful indicator... New Hampshire: Leasing activity remains sluggish, and vacancy rates continue to climb... New Jersey: Limited pockets of activity are likely to define the market until sustained demand can overcome the trend toward space consolidations... Philadelphia: Demand rebounded in the second half of 2009 as occupiers absorbed 2 million square feet, concentrated in the Central Pennsylvania submarket... Pittsburgh: Nearly 700,000 square feet of new construction was delivered in the West submarket, a significant increase to the inventory.

## SOUTHEAST

Atlanta: Manufacturing output is beginning to improve, but more occupancy losses are expected in early 2010... Broward County: Two recently completed warehouse-distribution facilities totaling 225,000 square feet remain vacant. They are in the Premier Turnpike Park in Pompano

Beach... Charleston: The announcement of TBC Tire Kingdom's 1.1 million-square-foot build-to-suit and the arrival of Boeing suggest that a turnaround in the market is not far off... Jacksonville: Vacancy increased slightly while rental rates appear to have bottomed out. With no new construction under way, the market is dormant... Miami: Boston Scientific will shutter its 343,000-square-foot manufacturing operations in Doral and lay off 1,400 workers... Memphis: Fourth quarter absorption totaled 1.3 million square feet following four consecutive quarters of negative absorption... Mobile: The market remains soft with declining rents and no sign of a pickup in demand at this point... Nashville: Vacancy will hover in the low double digits throughout 2010 as the leasing market remains stagnant. The second half of the year is expected to see more property sales as all-cash investors begin to take advantage of low prices... Orlando: The health services sector is anticipated to drive demand for industrial space in 2010... Palm Beach County: GeoGlobal Partners committed to 45,000 square feet at Premier Airport Center in the North Central submarket... Raleigh-Durham: Aided by five years of negligible construction activity, the local industrial market is poised to recover ahead of the office and retail sectors... Richmond: US Bank National Association purchased the 87,690-square-foot Villa Park III flex building out of foreclosure for $\$ 5.4$ million... Tampa: Demand for space was at record lows. New construction was left in neutral given the amount of recently completed, vacant inventory.

## GRUBB \& ELLIS OFFICE LOCATIONS



aGRUBB \& ELLIS. From Insight to Results

## Industrial Market Trends

United States Q4 2009

## Quick Stats

|  |  | Change from last |  |
| :--- | :--- | :--- | :--- |$|$

* The arrows are trend indicators over the specified time period and do not represent a positive or negative value. (e.g., absorption could be negative, but still represent a positive trend over a specified period.)


## Hot Topics

- Olympus America, Inc. signed a long-term lease at 871 Nestle Way in Allentown, PA. Olympus will relocate into the 119,900 sq. ft. facility closer to their new American headquarters in Center Valley, PA.
- Dentsply International, a manufacturer of dental products and instruments, signed a longterm lease for 207,000 sq. ft. in Lancaster, PA at 1800 Cloister Drive.
- Cornerstone Realty Advisors, Inc. purchased Pureland VI, a 597,232 sq. ft. warehouse/distribution center in Bridgeport, NJ, for \$28.50 million. The building, on 77 acres in the Pureland Industrial Complex, can be expanded by 172,000 sq. ft.

The Greater Philadelphia industrial market moved along at a measured pace in the fourth quarter of 2008. With the completion of three major build-to-suit projects, the Lehigh Valley submarket exhibited two million square feet of positive absorption. Leasing activity also remained strong in the Lehigh Valley, even though deal size decreased with an influx of midsized tenants in the market looking for space between 75,000 sq. ft. to 200,000 sq. ft.

The Central PA submarket did not have its usual robust activity this quarter. However, leasing activity remained strong throughout the submarket as United Natural Foods moved into 675,000 sq. ff. of vacant space in York, PA. Additionally, LTS Logistics moved into 415,000 sq. ff. in Carlisle, PA.

Fundamentals in the Northeast PA submarket remained sound. The submarket exhibited its fourth straight quarter of positive net absorption, which was driven
by strong leasing activity throughout the year, encouraging developers to place over 300,000 sq. ff. of speculative warehouse space under construction.

The Philadelphia County submarket was steady in the fourth quarter of 2008, but tenant downsizing and the absence of any significant large lease occupancies led to negative absorption. Build-to-suit opportunities continue to be attractive in this area because of tax incentives provided through the city and the state.

The Southern New Jersey submarket showed signs of growth in the fourth quarter. Three tenants recently signed in the LogistiCenter at Logan in Logan Township, NJ for a combined 791,635 sq. ft., while three major buildings sold for a combined 1.83 million sq. ft.


## Market Statistics

| Market | Rentable Area | Direct Vacancy Rate \% | YTD Net Absorption SF | Under Construction SF | Average Asking Lease Rate \$ NNN/SF/YR | Total Availability Rate \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bucks Countr, PA | 26,794,827 | 7.72\% | $(281,820)$ | 248,500 | \$4.15 | 9.71\% |
| Burlington County, NJ | 20,353,916 | 9.48\% | 712,165 | 299,808 | \$3.92 | 9.85\% |
| Camden, County, NJ | 15,964,378 | 14.31\% | $(814,203)$ | 0 | \$4.00 | 16.29\% |
| Central PA** | 145,297,496 | 9.50\% | $(2,499,940)$ | 3,331,160 | \$4.08 | 10.36\% |
| Chester County, PA | 12,375,101 | 5.03\% | 55,112 | 0 | \$4.13 | 6.59\% |
| Delaware Countr, PA | 11,722,762 | 12.08\% | $(262,682)$ | 0 | \$4.55 | 12.08\% |
| Gloucester County, NJ | 15,165,537 | 11.70\% | $(480,789)$ | 599,500 | \$4.09 | 12.77\% |
| Lehigh Valley, PA* | 38,704,883 | 16.96\% | 1,879,600 | 580,000 | \$4.69 | 20.51\% |
| Montgomery County, PA | 32,335,481 | 6.99\% | 312,237 | 101,053 | \$4.61 | 8.47\% |
| New Castle County, DE | 12,455,853 | 9.84\% | $(247,566)$ | 0 | \$4.57 | 11.14\% |
| Philadelphia County, PA | 29,647,998 | 6.33\% | $(542,486)$ | 345,500 | \$4.43 | 8.35\% |
| Total | 360,818,232 | 9.93\% | $(2,170,372)$ | 5,505,521 | \$4.26 | 11.36\% |
| Northeast PA*** | 32,303,164 | 12.10\% | 1,606,451 | 328,400 | \$3.77 | 21.60\% |

NOTE: 100,000 SF and larger.

* Lehigh and Northampton Counties
${ }^{* *}$ Cumberland, Dauphin, Franklin, Lancaster, Lebanon and York Counties
*** Carbon, Lackawanna, Luzerne, Monroe and Schuylkill Counties




The Greater Philadelphia industrial market posted a direct vacancy rate of 9.93 percent in the fourth quarter. Absorption for the overall market was negative this quarter due to tenant downsizing and other speculative construction completions. Nevertheless, the overall availability rate in the Greater Philadelphia industrial market is still at a healthy 11.36 percent, making the industrial market desirable to investors. The Northeast PA and Lehigh Valley, PA submarkets experienced a significant drop in their respective vacancy rates and were the only two submarkets that posted positive absorption with a combined total of 2.85 million sq. ft.

The average asking lease rate dropped to $\$ 4.26$ at the end of the quarter. Only four of the 12 submarkets (Central PA, Lehigh Valley, PA, New Castle Country, DE and Northeast PA) increased average asking lease rates. While in the Chester County, PA and Burlington Country, NJ submarkets, the asking average lease rate decreased by a combined $\$ 1.16$. The decreases in rental rates are putting downward pressure on demand for space, resulting in an increase in sublease space. In the fourth quarter alone, the available sublease square feet increased almost 700,000 sq. ft. for the entire market. With rental rates decreasing in state-of-the-art buildings as well as second generation space, landlords are forced to compete for tenants who are inspecting the market for quality deals.

Although the cost of construction materials has decreased significantly since last quarter, construction activity will not necessarily increase. In the fourth quarter, eight projects delivered in four separate submarkets totaling 3.37 million sq. ft. The majority of space that was delivered from these projects was absorbed due to pre-leasing and build-to-suit construction. The majority of the projects currently under construction are in the Central PA and Lehigh Valley, PA submarkets; out of the 5.51 million sq. ft. currently under construction in the Greater Philadelphia industrial market (excluding Northeast PA) 3.33 million sq. ft. is in Central PA. The most notable project is the Church and Dwight facility located at 260 Hidden Lane in York Country, PA. Another large project at Centerville Road in Cumberland County, Newville, PA where Key Real Estate, LLC is constructing a 1.17 million sq. ft. of speculative warehouse/ distribution building on 207 acres.

## Top Lease Transactions

| Size (Sq. Ft.) | Tenant | Address |
| :--- | :--- | :--- |
| 298,000 | Kehe Food Distributors, Inc. | 651 Boulder Drive |
| 243,000 | Tree of Life, Inc. | 7335 Alburtis Road |
| 220,000 | The Wiremold Company | 80 S. Middlesex Road |
| 207,000 | Dentsply International | 1800 Cloister Drive |

## Top Sale Transactions

Size (Sq. Ft.) Buyer Address

| $1,048,631$ | UrbanAmerica | 1900 River Road |
| :--- | :--- | :--- |
| 597,232 | Cornerstone Realty Advisors, Inc. | 200 Birch Creek Road |
| 342,160 | Exeter Properties Group | 275 Cross Farm Lane |
| 179,785 | Camden International Commodities <br> Terminal, LLC | 1370 Imperial Way |

## Submarket Map


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Average Asking Lease Rate
Rate determined by multiplying the asking net lease rate for each building by its available space, summing the products, then dividing by the sum of the available space with net leases for all buildings in the summary.

## Net Leases

Includes all lease types whereby the tenant pays an agreed rent plus most, or all, of the operating expenses and taxes for the property, including utilities, insurance and/or maintenance expenses.

## Market Coverage

Includes all competitive office buildings 10,000 square feet and greater in size.

## Net Absorption

The change in occupied square feet from one period to the next.

Net Rentable Area
The gross building square footage minus the elevator core, flues, pipe shafts, vertical ducts, balconies, and stairwell areas.

Occupied Area (Square Feet)
Building area not considered vacant.
Under Construction
Buildings which have begun construction as evidenced by site excavation or foundation work.

Available Area (Square Feet)
Area which is either physically vacant or occupied that is being actively marketed and is available for tenant build-out, including sublease space.

Availability Rate
Available Square Feet divided by the Net Rentable Area.
Vacant Area (Square Feet)
Existing Building Area which is physically vacant or immediately available.

## Vacancy Rate

Vacant Building Feet divided by the Net Rentable Area.

## Normalization

Due to a reclassification of the market, the base, number and square footage of buildings of previous quarters have been adjusted to match the current base. Availability and Vacancy figures for those buildings have been adjusted in previous quarters.

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## Appendix F

## Excerpts from <br> Northampton County Comprehensive Plan

## LAND USE

The Natural Resources Plan and the Farmland Preservation Plan present the land preservation components of this comprehensive plan. This chapter presents the recommended general land use plan for the Lehigh Valley which includes recommendations for urban, suburban and rural areas. Also included are LVPC goals and policies for developments of regional significance.

## GENERALTRENDS AND PATTERNS FOR DEVELOPMENT INTHE LEHIGH VALLEY

As previously noted the Lehigh Valley population is growing modestly. With a few exceptions cities and boroughs in the Lehigh Valley are not growing. Residential growth is greatest in suburban townships with public sewer and water on the perimeter of Allentown, Bethlehem and Easton. Between 75\% and $80 \%$ of the subdivided lots in the Lehigh Valley are in urban or suburban areas where urban development is recommended. Unfortunately the remaining $25 \%$ of lots that are subdivided in rural areas constitute $75 \%$ of the acreage of subdivided land. This is because rural densities are much lower than urban and suburban densities. People who move to rural areas want larger lots and need them to handle septic tanks, sand mounds, and wells. Zoning policies enacted by municipalities promote this type of development. The inevitable consequences are:
a) increasing consumption of farmland and natural resources;
b) increasing dispersion of development;
c) increasing traffic on rural roads.

These trends are not unique to the Lehigh Valley. They exist throughout Pennsylvania and the nation. Also these trends are not new; they have existed for most of the post WWII period in the United States. In comparison with other parts of the country Pennsylvania seems to be less successful in dealing with them.

The Lehigh Valley is changing from a predominantly agricultural area to a predominantly urban area. In $197567 \%$ of the area was agriculture and vacant land. By 2030 this percentage will drop to about 45\%.

Map 12 shows land use patterns in the Lehigh Valley. Most urban development in the region is between Route 22 and I-78 from Route 100 east to the Delaware River. Interchange locations in this corridor have been popular sites for business and industrial locations since the late 1950s. The corridor is also bounded by rapidly developing suburbs such as Hanover and Bethlehem townships in Northampton County and Upper and Lower Macungie townships in western Lehigh County. Development in western Lehigh County was strongly influenced by the development of a long sewer interceptor from western Allentown to the industrial area around the I-78/Route 100 interchange in the late 1960s.

Expanses of farmland and other open space still exist in northwestern Lehigh County, southwestern Lehigh County, northeastern Northampton County and southeastern Northampton County. There is also an area of prime farmland south of Bath and Nazareth. However, farmland is disappearing rapidly. Rural single family subdivisions on large lots served by on-lot sewer and water are scattered throughout the region. In the less developed areas individual lots or small groups of lots are found along existing roads and at rural road intersections.

Map 13 shows municipal zoning in the Lehigh Valley in 2000. In preparing the map the LVPC staff paid primary attention to the existing regulations in various zones and not zoning district labels which are frequently misleading. The fact is many municipal zoning ordinances that designate areas for agricultural protection are ineffective in accomplishing the goal. In the Lehigh Valley only six municipalities have strong zoning regulations that will protect agriculture. These are Lynn, Heidelberg, Lower Macungie, Upper Saucon, Allen and East Allen townships. Only small areas are protected in Lower Macungie, Upper Saucon, Allen and East Allen. In Heidelberg and Lynn townships property owners are limited to subdivision of $10 \%$ of their property for non-agricultural purposes. This has helped to reduce development pressure in these townships.

Environmental protection zoning has been successfully initiated in many Lehigh Valley municipalities. Thirteen municipalities have enacted strong envi-
ronmental protection zoning. A number have added environmental overlays to existing zones. Effective environmental protection generally includes very low density zoning. On Blue Mountain Lehigh and Moore townships limit single family residential zoning to 10 acres per dwelling unit. Most of the other municipalities have passed zoning ordinances that require minimum residential lot sizes in the range of 3 to 5 acres per lot.

Unless municipalities are willing to curb development with large minimum lot sizes, land acquisitions, or measures that will limit subdivision development, they will not conserve much natural and agricultural land. A minimum lot size of one acre will only assure more large lot subdivision development, which is a primary characteristic of urban sprawl. The emphasis in this plan is on natural resources and agricultural preservation because they comprise a large part of the Lehigh Valley landscape. Restrictive zoning to protect these resources is in accord with Pennsylvania land use law. Growth management in the region depends largely on how municipalities deal with these zoning categories.

Some suburban and rural townships are reaping substantial tax benefits from new development, especially development of large expensive homes. It is tempting to create zoning regulations that will promote this type of development. Pennsylvania courts have long taken a dim view of large lot zoning practices. Large lot zoning must have some relationship to natural resource protection or agricultural preservation. Large lot zoning just to support expensive housing is probably not sustainable if challenged.

Managing commercial development is another problem in many suburban and rural municipalities. Long ribbons of commercial zones are evident in many municipalities. Although this type of zoning may be attractive to business it adds to traffic congestion and traffic accidents because it creates too many points of access that conflict with moving traffic. Municipalities need to concentrate business activities and control access along major roadways.

## REGIONAL LAND USE PLAN

Map 14 shows the recommended General Land Use Plan for the Lehigh Valley. The map deals with broad categories of land use - natural resources, farm-
land preservation, urban and rural development. Table 3 shows the types of land use activities envisioned in each category. The natural resources and agricultural areas illustrated are based on policies recommended in earlier chapters of this report. Urban areas include cities, boroughs and the existing urbanizing portions of suburban townships. It is recommended that most future urban growth, including most residential, industrial and business expansion, be located in the urban areas. In designating the urban areas on Map 14 LVPC considered recommendations of multimunicipal plans underway in early 2004, local zoning, and potential expansion of public sewer systems. Rural areas are low density areas with no existing public sewers and a mixture of low density housing, scattered businesses and farms. Major residential, employment and institutional development is not recommended in rural areas.

## Goal

To provide a regional framework for protecting natural and agricultural resources, guiding the location and intensity of development, and matching land development with appropriate infrastructure.

## Policies

- New growth should locate in areas designated for urban development on Map 14.
- New growth should not go into areas recommended for natural resource protection or agricultural protection.
- Generally, housing density and housing variety should be increased in urban development areas.
- Rural areas not designated for natural resource protection, agricultural protection or future urban growth are planned for low density, low intensity rural uses.
- Land uses and land use intensities should be compatible at adjoining municipal borders.
- Municipalities should require access management measures to minimize and control land use impacts on major roads.
- Public buildings and facilities should be located in areas recommended for urban development in this plan unless the facility clearly requires a rural location.
- Oppose use of federal and state funds for projects that will create or encourage sprawl.


## Map 12

## Land Use Patterns

$11 \times 17$ - back
MAP 13
MUNICIPAL ZONING
Note: The zoning districts displayed on this map are based on interpretations of
each zone using criteria established by the LVPC Periodic updatea are also
performed as some municipalities make minor changes to their ordinances.
Agricultural Preservation
Environmental Protection


| $\square$ | Rural |
| :--- | :--- |
| $\square$ | Suburban Residential |
|  | Urban Residential |
| $\square$ | Institutional |
|  | Office/Business |
|  | Retail Commercial |
|  | Mixed Use |
|  | Light Industrial |
| $\square$ | Heavy Industry |
|  | No Zoning |
| $\square$ | Major Roads |
| $\square$ | Municipal Boundaries |

Map 13
Municipal Zoning
$11 \times 17$ - back

- The urban development areas designated in this plan may be expanded into rural areas only after a determination by the LVPC that (1) the expansion is otherwise consistent with the overall goals and policies of this plan and (2) the following criteria are met:
-the expansion is contiguous with the urban development area designated in this plan and does not include areas designated for natural resource preservation or farmland preservation,
-the expanded area is designated for urban development in the municipal comprehensive plan, zoning ordinance, and municipal planning for sewer and water expansions,
-the area will be served by publicly-owned sewer and water and its expansion will not create traffic safety or congestion problems.


## Implementation

- The Pennsylvania Municipalities Planning Code should be amended to convey greater authority to counties in protecting natural and agricultural resources, managing regional growth and assuring consistent planning policies.
- The LVPC will continue to support multimunicipal planning as the preferred way to undertake local planning consistent with county planning.
- The LVPC will use its review authority under the Pennsylvania Municipalities Planning Code to assure consistency between local and county plans.
- If staff is available, the LVPC will provide technical planning services to municipalities.
- The LVPC will continue to prepare data, technical studies and model regulations that may be useful in the development and implementation of plans.
- Municipalities should incorporate access management in local subdivision regulations.


## Goal

To improve the quality of municipal plans and plan implementation in the Lehigh Valley.

## Policies

- Support planning implementation measures authorized by the Pennsylvania Municipalities Planning Code.
- Support complete and high quality technical approaches to solving planning problems in the Lehigh Valley.


## Implementation

- Continue planning education programs through the LVPC Local Government Academy.
- Continue to use GIS mapping and various types of computer modeling software to help analyze planning projects and inform citizens and officials of the probable consequences of their planning efforts.
- Support innovative techniques such as transferrable development rights, traditional neighborhood development, and conservation development practices.
- The LVPC will review plans and zoning ordinances with respect to substantive planning and zoning requirements in the Pennsylvania Municipalities Planning Code.


## CITIES AND BOROUGHS

Cities and boroughs in the Lehigh Valley face very different land use and development problems than suburban and rural townships. There are three cities and 27 boroughs in the Lehigh Valley. About $89 \%$ of the total area of all cities and boroughs is already developed. Some of the remaining 11\% may not be suitable or available for development. The lack of good developable land limits new development opportunities. In cities and boroughs key issues are redevelopment of old properties, some of which are brownfield sites, urban infill, creating markets for urban sites that may not have the same market appeal of those in the suburbs, conversion of low intensity sites into sites with high intensity land use potential, and updating of old urban infrastructure.

Cities and boroughs face unmistakable trends in their growth characteristics and in their role within the region. In most cases population growth is low in comparison with townships. Between 1990 and 2000, the regional population grew by 40,921 . Of that total, only 3,594 ( $9 \%$ ) was located in the cities and boroughs. Between 1950 and 2000, the share of regional population in the cities and boroughs dropped from $76 \%$ to $52 \%$. LVPC population forecasts show no growth in the three cities in the next thirty years and low growth in boroughs.

| TABLE 3 <br> General Land Use Categories |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Objective | Recommended Land Uses | Recommended Densities | Recommended Sewer and Water Systems |
| Farmland | To protect farmland and to promote farming as an economic activity. (See Farmland Preservation section for detail.) | Agriculture <br> Businesses related to agriculture <br> Parks/open space uses <br> Housing related to agriculture <br> Housing not related to agriculture on a very limited scale | Maximum density of 1 unit per acre for all uses except housing not related to agriculture <br> For housing not related to agriculture, a minimum lot size of $30,000 \mathrm{sq}$. ft . with no more than $10 \%$ of the tract in non-agricultural uses. | On-lot systems <br> Central systems in connection with cluster development for housing not related to agriculture |
| Natural Resources | To protect sensitive natural resources, particularly flood plains and steep slopes from inappropriate development. (See Natural Resource Protection section for detail.) | Parks/open space uses <br> Woodlands <br> Single family detached housing in steep slope areas <br> Pastureland | Maximum density of 1 dwelling unit per 3 acres in steep slope areas with on-lot utilities. Maximum density of 1 dwelling unit per acre in steep slope areas with public utilities. <br> No development in very steep slope, flood plain areas and other high priority natural areas. | On-lot systems |
| Rural Development | To provide development opportunities consistent in the context of rural land use patterns and capabilities. | Housing - (single family detached dwellings) <br> Agriculture <br> Businesses related to agriculture <br> Parks/open space uses <br> Mining or public uses needing buffers (like quarries, sanitary landfills and power plants) <br> Industry, businesses, stores, offices and community facilities which by their nature require a rural location or are designed to mainly serve the surrounding rural area | Maximum density of 1 dwelling unit per acre preferably using conservation design practices. | On-lot systems Central systems for public uses requiring a rural setting |
| Urban Development | To provide areas where development can occur, coordinated with the provision of infrastructure. <br> To meet the needs for development sites. | Housing - (single family detached dwellings, twins, townhouses, condominiums, apartments and mobile home parks) <br> Industries <br> Warehousing, wholesaling <br> Stores, businesses <br> Offices <br> Community facilities <br> Transportation facilities <br> Recreation facilities <br> Parks/open space <br> Crop farming | Density ranges (per acre) with public utilities of: <br> Single family detached 4-7 <br> Twins 6-12 <br> Townhouses, condominiums 8-15 <br> Apartments 8-50 <br> Planned residential developments 4-12 <br> No separate density standard for non-residential uses <br> Maximum density of 1 unit per acre with on-lot utilities | Public sewer and community water systems |

## Map 14

## General Land Use Plan

$11 \times 17$ - back

Most growth in property valuation is in townships. Between 1991 and 2004, the assessed valuation of the townships in the Lehigh Valley increased by more than $\$ 2.8$ billion, an increase of $41 \%$. At the same time, the assessed valuation of the cities and boroughs grew by $\$ 43$ million, a gain of less than $1 \%$. The absence of growth in development and the high demand for services contribute to the tax burden in the cities and boroughs. In 2004 the average real estate tax in Lehigh County cities and boroughs was over four times that in the townships. In Northampton County the average city and borough millage rates were approximately three times township rates.

The cities and boroughs have greater needs for services but diminishing financial resources when compared with townships. According to the 2000 Census data, the cities have lower housing values and higher poverty rates than other areas of the counties. Disparities in these measures are growing. Housing values are lagging in the cities and poverty is becoming more concentrated.

## Goal

To achieve growth, property development, redevelopment and an improved tax base in the cities and boroughs in the Lehigh Valley.

## Policies

- Support infill development, redevelopment and reuse of abandoned properties and brownfield sites.
- Encourage the coupling of community development and economic development activities so that economic development programs give highest priority to renewal of cities and boroughs.
- Promote reuse of properties that are considered under utilized or under valued.
- Give high priority to infrastructure projects and programs that will redevelop and renew cities and boroughs.
- Encourage high quality and innovative urban design practices in private and public open spaces. Development in cities and boroughs should stress urban design motifs not suburban design.
- Give highest priority to cities and boroughs in the siting of schools, government centers, cultural, entertainment and athletic facilities.
- Encourage development of high quality residential land uses in and near to downtown areas.
- Support state legislation that will assure equitable distribution of growth benefits to all municipalities in each county.


## Implementation

- Support local, state, and federal programs that target funds for renewal, revitalization and redevelopment activities in cities and boroughs.
- Advocate that economic development agencies give priority to reuse and redevelopment of properties in cities and boroughs.
- Give high priority to transportation projects that will improve access, safety, and urban environments in cities and boroughs.
- Support development of innovative incentives, financing and other tools for redevelopment of brownfields and previously used sites that are not brownfields but are under used.
- Support tax-base sharing.
- Support statewide reforms that make it easier for municipalities to merge or consolidate and allow municipalities to dissolve themselves.


## SUBURBANTOWNSHIPS

As shown on Map 15 suburban townships in the Lehigh Valley lie on the perimeter of the three cities on an east-west axis from Easton westward to the Berks County line. Since 1970 71\% ( 80,714 ) of the rural and suburban population growth in the Lehigh Valley has been in this area. In the next 30 years it is projected that $69 \%(82,146)$ of the growth will be in this area. All suburban townships have public sewers and public water in at least a part of their jurisdiction. Much of the regional highway system extends through suburban townships. Since the 1970s the Lehigh Valley Planning Commission has considered parts of these townships contiguous to previously developed areas to be the logical path for most future growth in the Lehigh Valley provided adequate infrastructure is expanded concurrently and natural resources are protected. Some outer areas of these municipalities have also opted to preserve significant sections of farmland.

Development in suburban townships is characterized mainly by low density, single family residential subdivisions, various types of shopping centers,
and greenfield industrial parks. In comparison with cities and boroughs in the region many suburban townships must deal with too much growth happening too fast. This trend is a constant challenge to local planning and zoning policies where frequent changes and shifts are made in response to development proposals. Common development problems include: increasing traffic congestion, sewer and water system expansions, developer sponsored exclusionary challenges to zoning ordinances, need for more school facilities and other services such as police, fire protection, and parks.

Suburban townships generally have staffs to manage planning problems. However, many need better, more coordinated planning tools comprehensive plans, zoning ordinances, Act 537 sewer plans, access management controls, subdivision regulations and official maps. Following are LVPC goals, policies and implementation strategies relating to suburban townships.

## Goal

Improved planning and management of growth in suburban townships in the Lehigh Valley.

## Policies

- Support sewer and water system expansion to serve new development in areas designated for urban development on Map 14.
- Public infrastructure improvement should be made concurrently with all new development.
- Advocate greater variety of housing types in suburban townships and higher densities than currently prevail.
- Oppose strip commercial planning and zoning because they require added public investment in traffic control measures and increase the probability of accidents.
- Protect important natural resources and farmland either through effective zoning controls or acquisition.
- Consider traditional neighborhood development concepts instead of conventional subdivision design practices.


## Implementation

- Suburban townships should adopt comprehensive plans that are in accord with the requirements of the Pennsylvania Municipalities

Planning Code. Such plans should be updated at least every ten years.

- Zoning ordinances, subdivision regulations and sewer plans should be consistent with the municipal comprehensive plan and the county comprehensive plan.
- Subdivision regulations should be amended to include access management measures, assure street connectivity and provide for sidewalks and bikeways.
- All suburban townships should adopt impact fee ordinances to help defray some of the costs associated with traffic impacts of new development.
- All suburban townships should adopt an official map to help reserve sites for future road improvements, parks and other public facilities.
- Suburban townships should invest in local road improvements and local open space acquisitions.


## RURALTOWNSHIPS

For purposes of this plan, townships with a year 2000 density of under 350 persons per square mile are considered rural. In some areas a population density of 100 persons per square mile is considered rural. By this measure only Lynn Township in Lehigh County would be rural. At 93 persons per square mile in 2000 it is the most rural municipality in the Lehigh Valley. The sixteen townships under 350 persons per square mile are shown on Map 15. Most are experiencing increased development pressure. Unless rural municipalities act to preserve farmland, most will be a lot less rural in 2030.

From the perspective of the LVPC regional plan most sprawl in the Lehigh Valley is in rural townships. Its pattern (or lack thereof) follows the textbook definition of sprawl: scattered subdivisions with intervening patches of open space; ribbons of strip commercial development; large residential developments on large lots served by septic tanks and well water. In the Lehigh Valley this hodgepodge of development is further complicated by the occasional presence of slate and cement quarries and isolated commercial and industrial sites.

Most rural municipalities and school districts are struggling with strong development pressure. They are challenged to expand schools, resolve increasing traffic problems, and fix or take over small sew-


Rural Lynn Township—Mid 1990s


Rural North Whitehall Township-2004
age treatment plants or water systems that fail due to poor design or lack of maintenance. In addition there is growing demand for police, fire services, park and recreation facilities. Rural communities need to reevaluate their comprehensive plans and zoning ordinances to determine more effective measures to retain their rural character.

## Goal

Reduce urban sprawl in rural townships and retain the rural character of rural areas.

## Policies

- Preserve farmland and natural resources through strong zoning regulations and public acquisition of property.
- Rural villages should be the preferred location for local convenience retail establishments.
- Refrain from development of public sewer and water systems except where necessary to resolve existing health problems.
- Practice conservation design measures in subdivision development.
- Plan and zone for land uses that are appropriate in rural areas. Avoid planning and zoning for regional commercial, industrial and institutional uses.
- Oppose strip commercial planning and zoning practices.


## Implementation

- Rural townships should adopt comprehensive plans that are in accord with the requirements of the Pennsylvania Municipalities Planning Code. Such plans should be updated at least every ten years.
- Zoning ordinances, subdivision regulations and sewer plans should be consistent with the municipal comprehensive plan and the county comprehensive plan.
- Subdivision regulations should be amended to include access management measures, assure street connectivity and provide for sidewalks and bikeways.
- Rural townships should adopt impact fee ordinances to help defray some of the costs associated with traffic impacts of new developments.
- All rural townships should adopt an official map to help reserve sites for future road improvements, parks and other public facilities.
- Rural zoning and subdivision regulations should encourage conservation design practices in the subdivision of land that involves natural resources recommended for conservation.
- Rural townships should invest in local road improvements and local open space acquisition programs.


## LAND USES OF REGIONAL SIGNIFICANCE

The Pennsylvania Municipalities Planning Code calls upon county comprehensive plans to identify current and proposed land uses that may have regional impact or significance. Such uses are of special significance because they may have a substantial effect upon the citizens and property owners in more than one municipality. The planning code does not convey extraterritorial power on any municipality to act upon a development in a neighboring municipality. In cases where a property boundary extends into more than one municipality each municipality acts on the basis of its own regulations. In cases where municipalities have agreed to create and implement a multimunicipal plan the municipalities are authorized to create a regional zoning ordinance. Counties are given broad review authority under the planning code. Municipal plans are required to be generally consistent with the adopted county plan. It has been LVPC practice to forward review comments to neighboring municipalities where a development has significant impact on that municipality. County comments cannot override local zoning.

Table 4 identifies land uses and criteria that the LVPC will use in review comments on regional significance. Retail uses are of particular importance because of their wide regional impact and the frequency of retail development. In this section the LVPC has established general policies and implementation strategies for review of developments of regional significance and some special policies for retail uses.

## Goal

To facilitate communication and coordination between municipalities in the planning and review of developments of regional significance.

TABLE 4
LAND USES OF REGIONAL SIGNIFICANCE

| Land Use Category | Minimum Criteria |
| :--- | :--- |
| Major Shopping Centers | Greater than 200,000 square feet of <br> leasable area |
| Major Industrial Parks | Greater than 100 acres |
| Mines and Related Activities | Greater than 200 acres under <br> permit |
| Office Buildings \& Office Parks | 100,000 square feet of office space <br> in buildings |
| Storage Facilities | Greater than 500,000 square feet of <br> building |
| Large Residential Developments | 500 dwelling units |
| Regional Entertainment Complexes | All |
| Regional Recreational Complexes | Identification as a regional <br> recreational facility in park and <br> recreation inventory |
| Hospitals | Inclusion in list of hospitals in <br> Annual Trends report |
| Airports | All |
| Landfills and Other Solid Waste <br> Facilities | All solid waste facilities |
| Power Plants | All power plants |
| Educational Facilities | Colleges; high schools; school <br> campus arrangements |
| Railway and Rail Facilities | All |

## ImpLementation

- The LVPC will review and comment on the intergovernmental impacts of developments of regional significance based on planning goals and policies in this comprehensive plan.
- The LVPC will send its review to all potentially impacted municipalities and agencies.
- The LVPC will call on entities proposing developments of regional significance to conduct studies that clearly indicate environmental, land use, traffic and other impacts on all municipalities that may be affected by a development.
- The LVPC will provide mediation services to municipalities desirous of such services consistent with the provisions of Section 502.1 of the Pennsylvania Municipalities Planning Code.

Goal
To minimize negative impacts associated with subdivisions and land developments of regional significance and impact.

## Policies

- Municipalities should establish design guidelines for nonresidential developments of regional significance to protect nearby residential areas from undesirable environmental impacts. Sign regulations, architectural controls, buffering of nearby uses and parking lot landscaping should be considered.
- The off-site traffic impacts of developments of regional significance should be minimized. The developer should pay for the portion of the needed improvements attributable to the development. Municipalities should enact an appropriate impact fee ordinance to assure this happens.
- Driveway entrances should be arranged to minimize the disruption to the traffic flow of arterial and collector roads.
- Sub-regional, regional and super-regional shopping centers should be sited in areas near interchanges with expressways or along major arterials.
- Developments of regional significance and development regulations should be coordinated so that the land use decisions in one municipality are sensitive to the impacts in neighboring municipalities.


## Implementation

- The LVPC will research and prepare model provisions for design guidelines.
- LVPC reviews of zoning ordinances and land use plans will promote siting criteria consistent with these policies. LVPC proposed zoning ordinances and land use plans will promote consistency with the policies.


## Goal

To facilitate renewal and redevelopment of developments of regional significance.

## Policies

- The LVPC supports the renewal, redevelopment and retrofitting of existing shopping centers, industrial sites and office complexes in preference to the development of new facilities on greenfield sites.


## Implementation

- The LVPC supports the use of public financial incentives for renewal and redevelopment sites in preference to greenfield sites.


## Goal

To assure new regional commercial development has adequate infrastructure.

## Policies

- Commercial development should be sited in areas designated for urban development on Map 14 which meet the following criteria:
- Public sewage disposal and community water supply should be available.
- The affected nearby roads should have adequate capacity to handle the traffic.
- Safe access should be available.
- The location should be convenient for the intended customers.
- The development should meet the environmental policies of this plan.

Also, the availability of transit service by LANTA is desirable.

- Private developers should pay for infrastructure needs generated by their development.


## IMPLEMENTATION

- LVPC reviews of zoning ordinances and land use plans will promote consistency with criteria stated in these policies. Municipalities should not zone for retail uses in areas that cannot meet the criteria stated in this plan.


## ECONOMIC DEVELOPMENT

The thirty year period from 1970 to 2000 has been a time of economic transition in the Lehigh Valley. Although total employment in the Lehigh Valley has grown $45 \%$ this is a much lower growth rate than the $84 \%$ growth at the national level. A major factor has been the loss of $44 \%$ of the manufacturing jobs that were in the region in 1970. Although manufacturing employment has also lost ground at the national level ( $-3 \%$ ), the loss has been nowhere as severe as the Lehigh Valley. Even with robust growth in services and retailing economic growth has not kept pace with the nation.

The loss of jobs in steelmaking, truck manufacturing, apparel and other industries, along with a continuing pattern of urban growth at suburban and rural locations, has caused the loss of tax base in the cities and some boroughs and a steady increase in the amount of vacant business and industrial sites. Economic development must be combined with community development if the vision of a sound economy and healthy, desirable communities is to be achieved in the future.

Since the last update of this plan in 1993, economic development programs in the Lehigh Valley have been regionalized at the Lehigh Valley Economic Development Corporation (LVEDC). This organization is the primary marketer of the Lehigh Valley to the outside world. It is also involved in administering economic development grant programs, brownfield redevelopment, the Keystone Opportunity Zone program and local coordination of the Team Pennsylvania program.

The principal economic development role for the Lehigh Valley Planning Commission is in long range land use and infrastructure planning. Goals, policies and implementation strategies in this section will deal primarily with these issues. Map 13 shows sites that are zoned for office and industrial uses. Although municipalities zone properties for economic development, this does not guarantee that such development will occur or that the sites are good sites. Inadequate infrastructure, particularly highway access and availability of public services, are common problems with industrial sites. Sites also require good location and experienced developers. Map 16 shows major areas that are planned and zoned for industry or offices, have public sewers or are close to them, and do not otherwise conflict
with this plan. Some areas are not shown because they are too small. Approximately 69 square miles of land are zoned for a variety of economic development activities. In 2002 there were 19 square miles of vacant greenfield sites and three square miles of redevelopment sites. Most vacant land is in western Lehigh County, the Route 33 corridor in Northampton County and the I-78 corridor in both counties. Most redevelopment property is on Bethlehem's south side. Of the 19 square miles seven square miles are served with adequate sewer, water and highway infrastructure. There is great demand for this land in both counties.

In addition to greenfield sites the Lehigh Valley has many old industrial sites that have been used in the past but are no longer viable because of location, obsolescence, pollution or depletion of natural resources. Redevelopment of old industrial sites, especially those that are in urban areas, is a major land use and development issue in the Lehigh Valley. There are many good reasons to redevelop old industrial sites - job creation, tax generation, brownfield cleanup. In addition some brownfield sites, such as the former Bethlehem Steel sites in the southside of Bethlehem, are very well located with respect to major highway and rail transportation corridors. Allentown has important redevelopment sites in its downtown and in the Lehigh Street corridor and Easton in its Bushkill corridor. Urban sites in these areas add to the supply of land for development and reduce some of the pressure for development on farmland in rural areas.

During the past thirty years many infrastructure improvements have benefited economic development efforts in the Lehigh Valley. Since its completion in the mid-1950s Route 22 has become the main business and industrial corridor in the Lehigh Valley. More recently development of I-78, extension of Route 33 from Route 22 to I-78 and regionalization of the sewer system in western Lehigh County are particularly notable. Unfortunately the demand for new highways, interchanges, and other transportation improvements usually exceeds the ability to pay for such infrastructure. Transportation funding comes primarily from the federal and state governments. It is fiscally constrained by federal and state allocation formulas and it is generally insufficient to account for all of the improvements people think are needed. In addition, use of


Greenfield development in the Route 33 corridor looking north.


LVIP VII (Saucon Tract), southside of Bethlehem looking west.
federal and state funds requires compliance with environmental and other laws. The design review process can span a period of 10-12 years for a major project. These are important factors in the assessment of future economic development. In the coming years safety, congestion management and maintenance projects will be given highest priority in the transportation program along with completion of high priority projects such as Route 412 and the American Parkway in Allentown. The major long term project will be upgrading Route 22.

The LVPC supports economic development efforts and efforts to preserve valuable natural resources. It is sometimes very difficult to steer a developmental course that champions both improvement of the regional economy and preserves the natural resources that many citizens wish to preserve. Clearly a livable, desirable community must attend to both economic and natural resource preservation goals. The hard part will be finding the balance between the two. This plan attempts to depict those parts of the Valley that are appropriate for each set of goals.

## MINERAL EXTRACTION

Mineral resources played an important part in the development of the Lehigh Valley. Deposits of iron ore were being mined in Williams Township in the late 1700's. Local deposits of limonite and hematite were mined extensively in the 1800's. In the 1880's Lehigh County was one of the largest iron ore producing counties in the country. The richest deposit of zinc in the commonwealth was discovered in Upper Saucon Township in the 1840's. Zinc mining in Upper Saucon continued until 1982. Some of the best slate in the country is found in a narrow belt along the southern base of the Blue Mountain from the Delaware Water Gap to the western boundary of Lehigh County. The slate industry started in the 1840's and gained prominence in the latter part of that century. Although only a shadow of its former importance, several active slate operations continue to this day.

The most important mineral resource in the region is limestone. Large quantities of limestone capable of forming excellent cement exist in a strip several miles wide extending from Riverton in Lower Mt. Bethel Township to Fogelsville in Upper Macungie Township. The large-scale production of cement started in the late 1800s and by the early 1900s the Lehigh Valley was producing about $70 \%$ of all
portland cement in the country. Although the local cement industry has been in decline for decades, there is one plant in Lehigh County and four plants in Northampton County that still produce cement from local limestone deposits.

The terms Cement Belt and Slate Belt are still used to describe the areas of the Lehigh Valley where limestone and slate were mined. Remainders of the iron, cement and slate industries are with us today as mine pits, large quarries and rubble piles. Some sites have been turned into recreational resources for fishing and scuba diving. Others have been used for the discard of various types of waste. In most instances abandoned sites are an eyesore and in some cases they are a nuisance. Some sites have been placed on the Keystone Opportunity Zone registry. The reuse potential and cost of site remediation is yet to be determined.

Mineral operations still have a presence in the Lehigh Valley. As of early 2001 there were 52 permitted mining operations in the region. The major existing sites are shown on Map 16. The Pennsylvania Municipalities Planning Code, as amended in 2000, requires that important mineral resources be identified and that municipalities provide for the reasonable development of minerals.

## GoAL

To support economic development opportunities that provide jobs at above average wages and improve the regional tax base.

## Policies

- Promote retention and expansion of businesses with above-average wages.
- Reject land intensive, cheap labor industries that are viable only with public grants, tax relief and other incentives.
- Provide employment opportunities to all social and economic groups.
- Recruit high technology businesses that are targeted to take advantage of the programs and expertise of educational institutions and businesses in the region.
- Use federal and state programs that promote economic development consistent with the goals and policies of this plan.
- Promote tourism activities that relate to the unique physical, historic and cultural features of the Lehigh Valley.



## Map 16

Major Industrial, Office, and Mineral Extraction Areas
$11 \times 17$ - back

## Implementation

- LVPC will use review powers to support major employment sites accessible to all social and economic groups.
- LVPC will promote coordination of employment site development and transit services.


## Goal

To strengthen the tax base of municipalities with declining tax bases.

## Policies

- Existing vacant buildings and sites should be redeveloped and reused to the maximum extent possible.
- Combine economic development and community development efforts to revitalize the economy of urban places and make urban redevelopment sites more competitive with greenfield sites in suburban and rural areas.
- Public sector efforts to influence the amount of business or industrial growth should give high priority to assisting economically and financially depressed communities and population groups.


## Implementation

- Economic development agencies should give priority to the reuse and redevelopment of existing vacant sites over greenfield sites.
- LVPC will support infrastructure proposals needed to make existing buildings and sites usable in areas otherwise supported in this comprehensive plan.
- Promote private innovation and investment in the reuse of old industrial sites.


## Goal

To locate future employment in areas where the comprehensive plan policies indicate that urban growth is appropriate.

## Policies

- Employment growth is recommended in areas that meet the following criteria:
- public sewer and water should be available;
- adequate highway capacity should be available;
- site should be close to major concentrations of development;
- site should be environmentally suitable;
- site should be served or potentially served by LANTA;
- site should be consistent with this plan.


## Implementation

- LVPC reviews will support zoning ordinances and development proposals consistent with the above criteria. Areas that cannot meet the above criteria should not be planned or zoned for industry.


## Goal

To accomplish economic development efforts in an effective, efficient manner.

## Policies

- Emphasize coordination and cooperation among the governmental bodies, agencies and organizations involved in economic development and community development.


## Implementation

- The LVPC will continue to cooperate with economic development entities in accord with LVPC policies and the availability of staff.
- The LVPC will collaborate with the counties and LVEDC in the development and maintenance of the Comprehensive Economic Development Strategy report that is required to maintain eligibility for Economic Development Administration funds.
- The LVPC will provide available data needed for economic development.
- The Lehigh Valley Transportation Study (LVTS) planning process should support transportation improvements needed for economic growth provided such proposals are consistent with this plan, the LVTS Transportation Plan and Transportation Improvement Program.
- The LVPC will work with economic development agencies to identify appropriate areas for new developments, sites for industries that need special buffering and sites suitable for reuse.
- LVPC reviews will support grant proposals that promote economic development consistent with the policies of this plan.


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[^1]:    *Market terms \& definitions based on BOMA and NAIOP standards.
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