#### REPORT TO THE BOARD OF GOVERNORS

# SUBJECT ORCHARD COMMONS MIXED-USE STUDENT HOUSING DEVELOPMENT

**MEETING DATE FEBRUARY 4, 2014** 

Forwarded to the Board of Governors on the Recommendation of the President

APPROVED FOR SUBMISSION

Stephen J. Toope, President and Vice-Chancellor

**Presented By** David Farrar, Provost and Vice-President Academic

Louise Cowin, Vice-President Students

Pierre Ouillet, Vice-President Finance, Resources & Operations

Andrew Parr, Managing Director, Student Housing & Hospitality Services

James Ridge, Principal, UBC Vantage College

John Metras, Managing Director, Infrastructure Development Lisa Colby, Acting AVP, Campus + Community Planning

Peter Smailes, Treasurer

Al Poettcker, President & CEO – UBC Properties Trust

**Report Date** January 15, 2014

#### **DECISION REQUESTED**

IT IS HEREBY REQUESTED that the UBC Board of Governors approve BOARD 2 for the Orchard Commons Mixed-Use Student Housing Development, with authorization to issue the development permit, and for a \$2,500,000 funding release to complete working drawings and tender documents.

Capital Budget: \$125,873,500 Operating Budget Included in report

Schedule Program

Authorization to Issue Development Permit

Proceed to Working Drawings

Funding Release \$2,500,000

Information

Expenses to Date: \$523,344 Funding Released to Date: \$700,000

#### **EXECUTIVE SUMMARY**

Orchard Commons will be the physical home for the UBC Vantage College Program and will include academic and administration space as well as student residence beds for the College. UBC Vantage College (VC) has been established to enable students from a wide variety of international school systems and with diverse linguistic and cultural backgrounds to have the opportunity to transition into UBC degree programs upon successful completion. This is critical to the University's goal to expand international student enrolment and thus create a diverse campus community with enriched learning and engagement opportunities for all students.

Vantage College will also contribute to the overall financial sustainability of the University through revenue growth and diversification, summer use of campus and contribution to infrastructure renewal and expansion.

Orchard Commons will be located on the northeast corner of West Mall and Agronomy Road, on the site identified as a "Mixed Use Hub" in the Vancouver Campus Plan (see Attachment 1). The development will provide 1,048 residence beds, office space for UBC Vantage College administrators and faculty; and flexible classrooms to serve Vantage College academic program requirements.

Various amenities will be provided to serve both the Vantage College Program and the wider campus community. These include informal learning spaces, 450-seat dining hall and food/catering production centre, event/activity space, convenience store, infant / toddler child care facility and end-of-trip facilities for cyclist commuters.

Orchard Commons is the second of five mixed use academic/student housing hubs (Ponderosa Commons was the first) designated in the Vancouver Campus Plan to animate the main campus at a local level by providing vibrant centres in which students can live, study, socialize and access services to meet their daily needs and thus enhance the overall student experience at UBC.

The capital cost for the project is still estimated at \$125.9 million, as reported at Board 1. This includes the cost to relocate the occupants of Orchard House, a small two-storey office building, which will be demolished to make way for the project. Student Housing & Hospitality Services (SHHS) will contribute \$102.25 million to fund the project and UBC Vantage College to contribute \$22.63 million. Up to \$1.0 million will be contributed from Infrastructure Impact Charges (IICs) to fund the design and construction of the outdoor commons (main gathering space) landscape. All other project landscaping will be funded from the main project budget.

The project requires debt financing of \$124.9 million (\$125.9 million capital cost less \$1.0 million in IIC funding) with \$100 million sourced from the Endowment through the UBC Foundation and the remaining \$24.9 million financed internally. Debt service will be paid from UBC Vantage College revenues and student housing rents, proportionate to the respective funding contribution required from each group. Sufficient liquidity is anticipated to be available for the internal financing. Endowment borrowing terms and structure are being finalized by UBC, IMANT and the UBC Foundation. In order to provide greater transparency, the required financing from IMANT will be issued to the UBC Foundation who will own the facility and lease it to UBC.

This project received Board 1 approval on June 4, 2013. Perkins & Will were subsequently selected as the architectural consultant. UBC Properties Trust is the project manager. Schematic design has been completed and received conditional support from the Advisory Urban Design Panel (AUDP) on December 5, 2013. The project was reviewed by the Development Review Committee on December 12, 2013, when the utility re-location, tree-preservation, siting of the future building and the dispersal of air emissions from the neighbouring Coal & Mineral Processing Lab were considered. A public open house will be held on January 20, 2014.

Campus & Community Planning has confirmed that the reviews have been substantially completed to allow issuance the Development Permit, with conditions. Board 2 approval is sought at this time to authorize issuance of the Development Permit and completion of working drawings. Board 3 is targeted for June 2014. Overall project completion is targeted for July 2016.

# Place and Promise COMMITMENT(s)

**Student Learning:** The University provides the opportunity for transformative student learning through outstanding teaching and research, enriched educational experiences, and rewarding campus life. *Goal:* Enhance the quality and impact of teaching for all students.

**International Engagement:** The University creates rich opportunities for international engagement for students, faculty, staff, and alumni, and collaborates and communicates globally. *Goal:* Increase the capacity of UBC students, staff, and alumni to engage internationally.

# Place and Promise ACTION(s)

Review and revise curricula and pedagogy to ensure that they are informed by leading edge research on how people learn. *Portfolio Action*: Build an effective English language pathways program for incoming international students.

Foster student participation in learning and service abroad. *Portfolio Action*: Enhance and expand welcome and service space for international students.

# Description & Rationale

#### **UBC Vantage College Program**

The UBC Vantage College Program will provide international students graduating from a senior secondary school, who would not be directly admissible to a UBC direct-entry undergraduate degree program, with the opportunity to enter a first-year-equivalent program that will prepare them for study at Year 2 of a UBC degree. UBC Vantage College Program students will be UBC students.

The UBC Vantage College Program has been designed for international secondary school students who demonstrate a strong potential to succeed in university, but who may benefit from English language supports and supports that enable them to transition into a North American style of university education. Students will form a cohort within UBC Vantage College's 12-month program (depending upon the applicant's proficiency in the English language and level of academic preparation) that includes academic language preparation and the completion of first-year coursework. Upon successful completion of the International Program, students will have completed a minimum of 24 credits of first-year course work applicable to a degree program and may apply for admission into the second year of study toward a UBC bachelor degree.

Current planning for the College's International Program projects 4 streams of approximately 75 students each in 2014-15 (300 students), 8 streams in 2015-16 (600 students) and a total of 13 streams in 2016-17 (1,000 students in steady-state).

Each stream will start with an intense "Jump Start"-type orientation. These full-time orientation programs will be up to 2.5 weeks in length, occurring prior to the onset of the program during the month of August and will incorporate Academic English and student assessment.

By providing an additional opportunity for entry into UBC, the Vantage College Program expands the base of potential international student applicants from a broader range of countries and high school curricula, and supports the University's goal to expand international student enrolment, thus helping to create a diverse campus community with enriched learning and engagement opportunities for all students.

Vantage College will also contribute to the overall financial sustainability of the University through revenue growth and diversification, summer use of campus and contribution to infrastructure renewal and expansion. See Attachment 8 for Vantage College proforma.

#### **Functional Program for the Facility**

- The following is an overview of the functional program for Orchard Commons. Consistent with the Mixed Use Hubs model in the Vancouver Campus Plan (VCP sec 3.5.1 (a)), the development will consist of student housing, academic space and common use facilities. Learning space and office space for the UBC Vantage College forms the academic component of the project. Until Orchard Commons is completed in July 2016, UBC Vantage College students will reside in dedicated houses format with two units (one bed each) sharing a single bathroom; no in-suite kitchen facilities)
- Six 1-bedroom apartments for residence coordinators
- Two 2-bedroom apartments for residence life managers
- Bicycle storage incorporated into all residence units
- 12 interconnected floor lounges, each connecting 3 residence floors
- Two house lounges
- A "Sky Lounge" in the south tower for Vantage College and other events

Laundry facilities within existing 1<sup>st</sup> year residence complexes. Further study will be undertaken to determine whether they will be fully integrated with other 1<sup>st</sup> year students or housed together once Orchard Commons is completed. However that choice does not impact the number of residence rooms in this plan or their design.

#### **Student Housing and Related Support**

- 1,038 student beds including 26 accessible units and units for residence advisors (modified traditional
- Six 1-bedroom apartments for residence coordinators
- Two 2-bedroom apartments for residence life managers
- Bicycle storage incorporated into all residence units
- 12 interconnected floor lounges, each connecting 3 residence floors
- Two house lounges
- A "Sky Lounge" in the south tower for Vantage College and other events
- Laundry facilities

#### **UBC Vantage College**

- Two 75-seat classrooms
- One 75-seat classroom with computer lab capability
- Twelve 26-seat classrooms
- Eight 16-seat classrooms
- Writing centre including support office space
- Administration office space for 26 people
- 35 faculty offices
- 40 shared workstations for sessionals and graduate teaching assistants



#### **Common-Use Facilities**

- Residence support (reception, SHHS offices, fitness, games room, music practice)
- 450-seat dining hall with production kitchen, providing service to residents and the broader campus community
- Convenience store
- Activity/events space, adjacent to the dining room, for up to 200 people that can
  accommodate a broad range of activities for residents, College attendees and the broader
  campus community to meet the requirements of VCP Policy 14.
- Multi-use lobby incorporating informal learning spaces, queuing capacity for high-volume periods, and study areas
- Two inter-connected Child Care Centres with 24 total spaces for 12 infants (4-18 months) and 12 toddlers (18-36 months) to meet requirements of VCP Policy 15.
- End of trip facilities for cyclists (showers, change rooms)
- Building support (housekeeping, waste/recycling, storage)

A map of the Orchard Commons site is included in Attachment 2. A summary of total building areas is provided in Attachment 3.

#### **Schematic Design**

The development will consist of two residence towers, 17 and 18 storeys respectively, and a 4-storey podium/commons building containing Vantage College offices and learning spaces as well as common-use facilities (reception, dining hall, activities/events space, convenience store, informal learning space, and child care). The buildings have been laid out efficiently on the site allowing space for a future in-fill development to accommodate future growth of Vantage College and/or student housing. Schematic design renderings of the building complex are provided in Attachment 4.

# COSTS Capital & Lifecycle Operating

#### **Capital Budget**

The following capital budget was prepared by UBC Properties Trust based on experience with previous student housing and academic projects. The budget is unchanged from Board 1 in June 2013.

	Total	\$/SF
<b>Construction Costs</b>		
Construction	\$90,725,000	\$202
Construction Contingency	\$3,634,000	
Cash Allowances		
Public Realm	\$1,000,000	
Site Servicing	\$2,000,000	
Demolition	\$202,000	
Swing Space Cash	\$1,818,000	
Escalation <sup>1</sup>	\$0	
Kitchen Equipment	\$1,919,000	
FF+E	\$3,636,000	
UBC IT and Secure Access	\$1,768,000	
Audio Visual	\$1,414,000	

Soft Costs		
Consultant Budget	\$5,455,000	
Project Management	\$2,879,000	
Moving / Commission / Inspections	\$455,000	
IIC, Permits, PO Charges, Insurance and Legal	\$3,132,000	
Building Subtotal	\$120,037,000	\$268
GST	\$1,897,000	
Project Sub-total	\$121,934,000	\$272
Retained Risk	\$908,500	
UBC Finance Charges	\$3,031,000	
Project Total	\$125,873,500	\$281

<sup>1 –</sup> Costs shown assume construction start in Summer 2014.

A detailed breakdown of the capital budget between the project components (i.e. residence, dining hall, common use, child care, Vantage College) is provided in Attachment 6.

#### **Preliminary Operating Budget**

Operating and maintenance costs for the building will be covered by SHHS and UBC Vantage College. SHHS will manage all operating costs for SHHS-managed spaces. UBC Vantage College will be charged for all academic space, including office areas and teaching spaces, at the standard space charge rate (currently \$12/net sf). SHHS and UBC Vantage College will pay operating and maintenance costs for shared amenities on a prorated basis. The SHHS and UBC Vantage College operating budgets, including debt servicing, are provided in Attachments 7 & 8.

#### FINANCIAL Funding Sources

Funding Sources, Impact on Debt Ratios The proposed funding breakdown is as follows, based on an estimated 60/40 cost split for Common Use and Building Support space between SHHS and UBC Vantage College Program:

Funding Source	SHHS		Vantage C	ollege	IIC		Total
Space Use	\$	%	\$	%	\$	%	\$
Student Residences	\$81,992,410	100%					\$81,992,410
Dining & Events	\$14,355,190	100%					\$14,355,190
Child Care	\$1,447,250	100%					\$1,447,250
Common-Use	\$4,044,910	60%	\$2,696,610	40%			\$6,741,520
Building Support	\$408,740	60%	\$272,500	40%			\$681,240
Vantage College			\$19,655,890	100%			\$19,655,890
Public Realm				·	\$1,000,000	100%	\$1,000,000
<b>Total Project Cost</b>	\$102,248,500	81.2%	\$22,625,000	18.0%	\$1,000,000	0.8%	\$125,873,500

Total Beds 1,048 Residence \$/Bed \$78,237

The nearest cost comparison is the Totem In-Fill project (567 beds) completed in 2011 for \$72,000/bed. Orchard Commons has "modified traditional" dorm style rooms with no in-suite kitchen facilities. This is similar to Totem In-Fill except Orchard is in a high rise format, which achieves higher land use density. The cost/bed difference between the two projects is due primarily to construction cost escalation. Totem In-Fill was tendered at a low point in the market and came in under original budget.

Residence + Dining \$91,935 Hall \$/Bed



#### **Financing**

The Orchard Commons project requires debt financing of \$124.9 million (\$125.9 million capital cost less \$1.0 million in IIC funding). The project has been factored into internal working capital projections but assumes a \$100 million investment by the Endowment will be available to finance the majority of the project. Treasury, IMANT and the UBC Foundation have agreed on the terms of the transaction and are working through legal documents required to document the financing.

The investment by the Endowment was originally intended to be in two tranches, one \$60 million and the other \$40 million but in working through the details of the transaction an issue with GST arose. The cost for the UBC Foundation to construct the building would be higher due to less favourable GST treatment than having the University construct the building and then transfer it to the UBC Foundation upon completion. The loan from IMANT to the UBC Foundation will therefore be issued at the date of transfer from UBC to the UBC Foundation. Instead of a \$40m and a \$60m tranche issued over two years, the two tranches will remain separate for the purposes of the loan but will be funded together as one \$100m payment.

Sufficient liquidity is available to permit this finance timing change. All other terms are the same including the interest rate of 4.15% plus inflation (the overall rate would currently be approximately 6.15%) for a period of 30 years for the \$60m tranche and 25 years for the \$40m tranche. Security for the investment will include assignment of rents and a mortgage on the buildings.

The remaining \$24.9 million will be financed internally at a rate of 5.75% over 30 years. All debt service will be paid from UBC Vantage College revenues and student housing rents, proportionate to the respective funding contribution required from each group. Breakeven for the SHHS proforma is estimated at 11 years. Negative SHHS cashflow for the project in the first 10 years can be absorbed in the overall SHHS operating budget. Sufficient liquidity capacity is available for internal financing after incorporating the \$100 million Endowment financing.

The key elements of the Endowment financing transaction are:

- (a) The University will build Orchard Commons.
- (b) At completion, the building will be transferred to the Foundation. The loans from the Endowment will be directed to the Foundation and then on to the University to pay the construction cost of the building.
- (c) The Foundation will provide security to IMANT by granting to IMANT an assignment of rents, and a mortgage over the Orchard Commons building and ground lease.
- (d) The University will grant security to IMANT by guaranteeing the loan to the Foundation through lease payments payable by the University to the Foundation, and providing an agreement to at no time use funds from the TREK Endowment other than in accordance with the terms of the Endowment Management Policy of the Board of Governors of the University.
- (e) The Foundation will repay the loan with rents received from Student Housing and Hospitality Services and Vantage College.

The Foundation is a separate entity from the University, so by involving the Foundation and placing ownership of Orchard Commons with the Foundation, the investment by the Endowment in Orchard Commons is protected in the unlikely event the University becomes insolvent. This separation provides transparency and is easily explained to donors.

Endowment borrowing legal terms and structure are being finalized by UBC, IMANT and the UBC Foundation and will be ready for final approval at the June 2014 Board when the project seeks Board 3 approval.

#### **SCHEDULE**

Board 1 – June 2013

Implementation Timeline Advisory Urban Design Panel - December 2013

Public Open House – January 2014

Board 2 – February 2014

Board 3 - June 2014

Construction Start – July 2014

Completion – June 2016

Occupancy – July 2016

Board 4 – January 2018

The schedule is unchanged from Board 1 in June 2013.

## RISKS

Financial,
Operational &
Reputational

**Enrolment Targets**: There is a risk that enrolment targets will not be met within the anticipated timeline, however, UBC Vantage College and ISI (International Student Initiative) have developed a coordinated recruitment and enrolment plan. There are currently (as of Jan 2014) 425 applications to Vantage College in progress or submitted from 65 countries. Review is also underway of students who applied to Direct Entry but are not eligible due to their language profile. This pool will likely generate about 50-60% of the Vantage College student body in its first year. If Vantage College enrolment targets cannot be met this risk is partially mitigated in that there is 8-month demand for this style of residence from other 1<sup>st</sup> and 2<sup>nd</sup> year students.

**Financing Capacity**: The latest liquidity estimates from Treasury indicate that sufficient capacity is available to deliver the project.

**Child Care:** This facility is proposed to provide care for 12 infants (4-18 months) and 12 toddlers (18-36 months). There is potential for some level of incompatibility between 1<sup>st</sup> year residents (aged 17-19) and users of a child care centre such as this. Thoughtful design has been undertaken to mitigate this risk by developing the child care facility in an accessible but separate area of the building complex.

#### **BENEFITS**

The anticipated benefits of the Orchard Commons project include:

Learning, Research, Financial, Sustainability & Reputational

- Integration of domestic and international students for an enhanced experience for all students.
- Provision of common use amenities such the dining hall, activities/events space, informal learning space and child care which will benefit the entire campus community.
- Enhanced summer use of campus as the VC program is a 49 week program.
   Therefore 1,000 more students will be living and studying on campus in May, June and part of July and August.

- Revenue growth for UBC via student housing and meal plan fees and international tuition rates.
- Creation of a LEED Gold certified sustainable facility for the new UBC Vantage
  College will help promote UBC's international reputation as a world-class
  institution that integrates sustainability at all levels, and will aid in recruitment for
  the new UBC Vantage College International Program.

For UBC, the VC International Program will achieve three goals:

- Increase diversity and number of international students,
- Provide a forum for pioneering and assessing best practice pedagogical methods,
- Enhance UBC's financial sustainability.

#### **CONSULTATION**

Relevant Units, Internal & External Constituencies The functional program was developed in close consultation with SHHS and UBC Vantage College, with input at key review points from Campus & Community Planning (including the University Architect and Sustainability Office) and the Provost's Office.

As with all UBC major capital projects, a working committee has been established comprised of the UBCPT development manager, the design consultants, the facility users and key planning and operational stakeholders. This committee has engaged stakeholders and neighbours through the schematic design stage of the project

Schematic design has been completed and received conditional support from the Advisory Urban Design Panel (AUDP) on Dec 5, 2013. The AUDP identified some outstanding design issues to be resolved (see Attachment 5 for meeting notes). These design items include the relationship of the north tower to the open space and the future building site; managing solar gain; and design refinements to the daycare open space. The project was reviewed by the Development Review Committee on December 12, 2013 when the utility re-location, tree-preservation, and the dispersal of air emissions from the neighbouring Coal and Mineral Processing Lab were considered. A public open house will be held on January 20, 2014. Campus & Community Planning has confirmed that the development reviews have been substantially completed to allow issuance the Development Permit with conditions.

#### **Previous Board History:**

**Previous Report Date** June 4, 2013

**Decision** Board 1 Approval

Funding Release: \$700,000

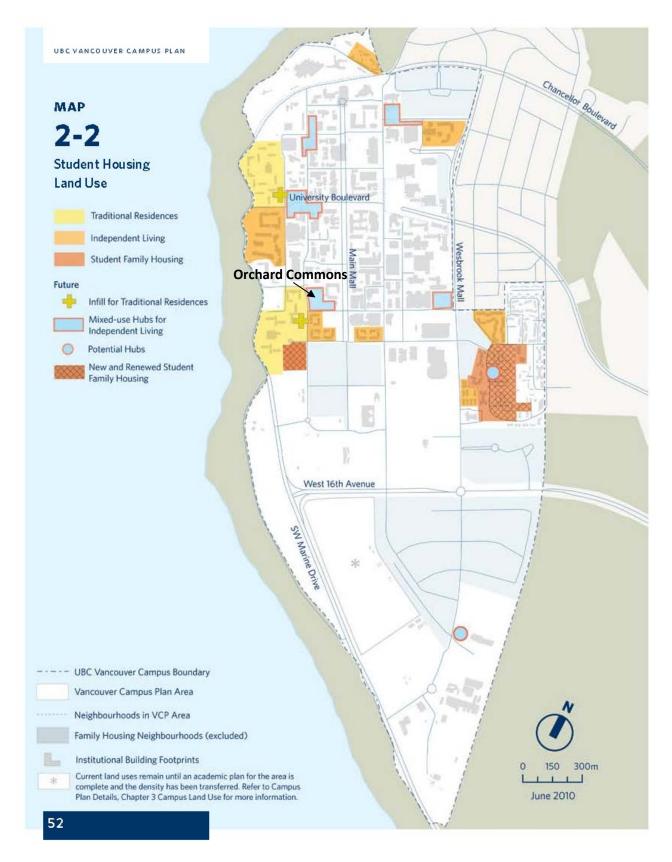
**Action / Follow Up** Finalize consultant selection. Commence schematic design.

#### **Attachments**

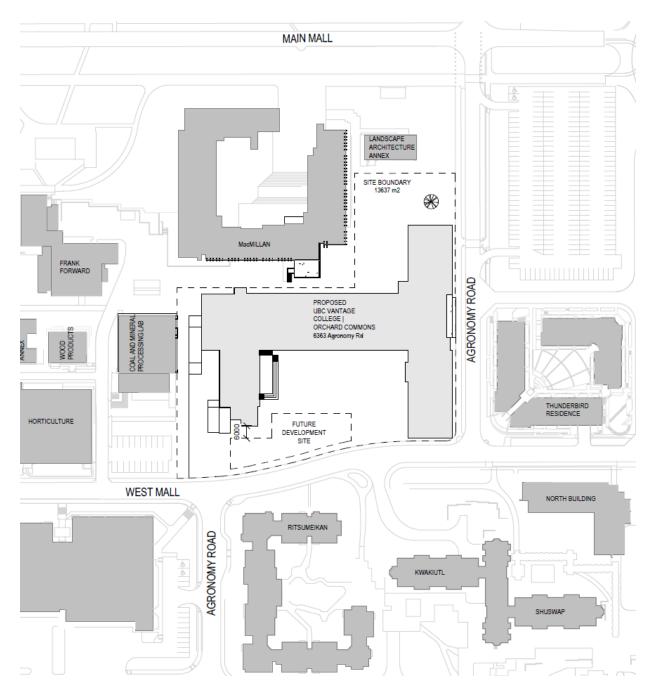
- 1) Map 2-2 from UBC Vancouver Campus Plan Part 2
- 2) Orchard Commons Site
- 3) Orchard Commons Master Program Summary
- 4) Orchard Commons Schematic Design
- 5) Advisory Urban Design Panel Meeting Notes (Dec. 5, 2013) Re: Orchard Commons
- 6) Orchard Commons Capital Budget Detail
- 7) Orchard Commons / SHHS Operating Budget Summary
- 8) UBC Vantage College Operating Budget Summary
- 9) Capital Project Accountability Scope & Planning
- 10) Capital Project Accountability Budget & Funding



#### **Attachment 1 – Campus Plan Map 2-2**



### **Attachment 2 – Orchard Commons Site**



#### Attachment 3 – Orchard Commons Master Program Summary

#### ORCHARD COMMONS FUNCTIONAL PROGRAM: TOTAL AREA SUMMARY NSF **TOTAL AREA NSM GSM GSF ORCHARD COMMONS: STUDENT HOUSING & SUPPORT** 1 .0 Student Housing Units 17,813.0 27,374 294,650 191,733 2 .0 Housing Support Areas 2,539.0 27,333 3,902 42,005 3,345 3 .0 Building Support (SHHS) 222.0 2,390 311 **TOTAL STUDENT HOUSING & SUPPORT** 20,574.0 221,456 31,587 340,000 ORCHARD COMMONS: COMMONS BLOCK 4 .0 Residence Support Facilities 349.0 3,756 558 6,010 5 .0 Dining & Event Facilities 21,923 2,546 27,403 2,037.0 6 .0 Common-Use Facilities 1,370.0 14,746 2,014 21,677 7 .0 Building Support (Shared) 1,625 151.0 211 2,275 **TOTAL COMMON AREAS** 3,907.0 42,050 5,329 57,365 ORCHARD COMMONS: UBC VANTAGE COLLEGE 8 .0 Teaching Spaces 1,962.0 21,113 3,236 34,837 957.0 9 .0 Office Spaces 10,303 1,531 16,484 TOTAL INTERNATIONAL PROGRAM 2,919.0 31,416 4,767 51,321 **TOTAL** 27,400.0 294,922 41,683 448,686

## **Attachment 4 – Orchard Commons Schematic Design**







#### Attachment 5 – Advisory Urban Design Panel Meeting Notes (Dec. 5, 2013) Re: Orchard Commons

Advisory Urban Design Panel (AUDP) reviewed the application on December 5, 2013. It supported the schematic design on the condition of a report back to the Panel with revisions that:

- allow the students from the north tower to exit out directly into the main public areas of the outdoor commons;
- ensure the north tower can receive the future infill building that will abut it to the west;
- screen the loading bay area from West Mall;
- effectively manage solar gain throughout the project;
- include an interim landscape design for the future infill building site; and
- augment sunlight access to the daycare openspace.

Staff are confident that they can work with the design team to address these outstanding issues to the Design Panel's satisfaction.

In addition, the application needs to adequately address the following sustainability goals that were set out in projects Design Brief:

- complete an interactive energy modeling charrette and the Sustainability Process Report to document how the Design Brief goals will be met and tracked through the project design, construction and post occupancy analysis (Board 4 report).
- reduce the amount of glazing in the public areas and student lounges. The emphasis on transparency, daylight and views are important design elements, however they need to be carefully balanced with sufficient solid wall to produce a high performance envelope and achieve the project energy targets.
- Related to this, the application needs to clarify the extent and type of solar shading, important in reducing the energy load and ensuring occupant comfort.



#### **Project Cost Estimate**

Orchard Commons - Submitted for Board 1 (Re-submitted with no change for Board 2)

1048 Beds

324 Gross Area per Bed 07-May-13 Orchard

			Ofcharu			
Construction			448,686	Percent	Со	st/SF
					١.	
	Construction (includes GC's and CM Fee)		\$ 90,725,000	72%	\$	202.2
	Project Contingency		\$ 3,634,000	3%	\$	8.1
Cash Allowand	ces					
	Public Realm Allowance		\$ 1,000,000	1%	\$	2.2
	Site Servicing Allowance		\$ 2,000,000	2%	\$	3.0
	Demolition Allowance		\$ 202,000	0%	\$	0.4
	Replacement Space Cash Allowance		\$ 1,818,000	1%	\$	4.1
	Escalation		\$ -	0%	\$	-
	Kitchen Equipment		\$ 1,919,000	2%	\$	4.3
	FF&E		\$ 3,636,000	3%	\$	8.1
	UBC IT and Secure Access		\$ 1,768,000	1%	\$	3.9
	Audio Visual		\$ 1,414,000	1%	\$	3.2
Soft Costs			, ,		\$	-
	Consultant Budget		\$ 5,455,000	4%	\$	12.2
	Project Management		\$ 2,879,000	2%	\$	6.4
	Moving / Commission / Inspections		\$ 455,000	0%	\$	1.0
	IIC, Permits, PO Charges, Insurance and Legal		\$ 3,132,000	2%	\$	7.0
Building Subto	otal		\$ 120,037,000	95%	\$	267.5
GST (UBC Co	ost Value)	1.67%	\$ 1,897,000	2%	\$	4.2
Project Total		•	\$ 121,934,000	97%	\$	271.8
Retained Risk			\$ 908,500	1%	\$	2.0
Finance Charg	ges by UBC		\$ 3,031,000	2%	\$	6.8
	Project Sub Total		\$ 125,873,500	100%	\$	280.5

		Reside	lential			Di	ning/Lobby		Co	mmon Use				С	hildcare				Bld	g Support			Vantage College	•		Pu	blic Realm			Total
		3	340,000	76%			33,413	7%		18,077	4%	6			3,600	19	6			2,275	1%		51,321		11%		-			448,686
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3 1 .9	- 1	\$ 1,3	755,245 339,734 141,400	\$ 8 \$ 4	10%	\$ \$ \$	270,768	\$ 57 \$ 8 \$ 4	\$	146,490 71,231	\$	8 4	- 1	\$	29,173 14,185	\$	8 4	- 1	\$	18,436 8,964	8 4	80%	\$ 415,888 \$ 202,225 \$ 1,131,200	\$	8 4				\$ \$ \$	1,919,000 3,636,000 1,768,000 1,414,000
.2 .4 .0		\$ 2,1 \$ 3	133,626 181,615 344,785 373,330	\$ 6 \$ 1		\$ \$ \$	214,395 33,883	\$ 12 \$ 6 \$ 1 \$ 7	 \$ \$ \$	18,331	\$ \$	12 6 1 7		\$ \$ \$	23,099 3,651	\$ \$ \$	12 6 1 7	3	\$ \$ \$	27,659 14,598 2,307 15,880	12 6 1 7		\$ 623,946 \$ 329,302 \$ 52,043 \$ 358,240	\$ \$ \$	12 6 1 7				\$ \$ \$	5,455,000 2,879,000 455,000 3,132,000
.5		\$ 1,4	669,693 437,486 007,179			\$	141,267	\$ 417 \$ 4 \$ 421	\$ \$		\$ 36 \$ \$ 36	4		\$ \$ \$	1,400,417 15,220 1,415,638	\$	4		\$ \$	9,618 661,271	\$ 286 4 291		\$ 18,988,314 \$ 216,980 \$ 19,205,295	\$	370 4 374	\$	1,000,000		\$ \$	120,037,000 1,897,000 120,518,362
.0	,	\$ 6	688,432 296,796			\$ \$	67,655		\$	36,602 122,115	\$	2 7		\$ \$ \$		\$	2 7	,	\$ \$	4,606 15,368	\$ 2 7		\$ 19,205,295 \$ 103,915 \$ 346,688	\$ \$	2 7	Þ	1,000,000		\$	908,500 3,031,000
5	3	\$ 81,9	992,407	\$ 241 65.1%		\$	14,355,186	\$ 430 11.4%	\$	6,741,518	\$ 37	73 4%		\$	1,447,246	\$ 4	02 1%		\$	681,246	\$ 299 0.5%		\$ 19,655,897	\$	383 15.6%	\$	1,000,000		\$	125,873,500

Construction Cost per Bed

55,821 Residential Cost per Bed Residential Plus Dining Hall per Bed \$ 78,237 \$ 91,935 78,237 \* Comparable to Totem Infill

 Vantage College Application

 \$ 19,655,897
 Academic

 \$ 2,969,106
 Common Amenities
 40%

 \$ 22,625,003
 TOTAL FUNDING COMMITMENT BY VC

\$ 1,000,000 TOTAL FUNDING COMMITMENT BY IIC - PUBLIC REALM

6010

Funding Source	SHHS		International	College	IIC		Total
Space Use	\$	%	\$	%	\$	%	\$
Student Residences	\$81,992,410	100%					\$81,992,410
Dining & Events Facilities	\$14,355,190	100%					\$14,355,190
Child Care	\$1,447,250	100%					\$1,447,250
Common-Use Facilities	\$4,044,910	60%	\$2,696,610	40%			\$6,741,520
Building Support Facilities	\$408,740	60%	\$272,500	40%			\$681,240
International College			\$19,665,890	100%			\$19,665,890
Public Realm					\$1,000,000	100%	\$1,000,000
Total Project Cost	\$102,248,500	81.2%	\$22,635,000	18.0%	\$1,000,000	0.8%	\$125,883,500

Total Bed Count

1,048 \$78,237 Nearest comparison is Totem In-Fill at \$72,000/bed \$91,935 Nearest comparison is Marine Drive Phase 2 at \$96,000/bed Residence Cost/Bed Residence + Dining Hall Cost/Bed

Space Type	Project Cost	
Student Residences	\$81,992,410	\$ 81,992,407
Dining & Events Facilities	\$14,355,190	\$ 14,355,186
Child Care	\$1,447,250	\$ 1,447,246
Common-Use Facilities	\$6,741,520	\$ 6,741,518
Building Support Facilities	\$681,240	\$ 681,246
International College	\$19,665,890	\$ 19,655,897
Public Realm	\$1,000,000	\$ 1,000,000
Total Project Cost	\$125,883,500	\$ 125,873,500

•	Total	\$/SF
Construction Costs		
Construction	\$90,725,000	\$202
Construction Contingency	\$3,634,000	
Cash Allowances		
Public Realm	\$1,000,000	
Site Servicing	\$2,000,000	
Demolition	\$202,000	
Swing Space Cash	\$1,818,000	
Escalation	\$0	
Kitchen Equipment	\$1,919,000	
FF+E	\$3,636,000	
UBC IT and Secure Access	\$1,768,000	
Audio Visual	\$1,414,000	
Soft Costs		
Consultant Budget	\$5,455,000	
Project Management	\$2,879,000	
Moving / Commission / Inspections	\$455,000	
IIC, Permits, PO Charges, Insurance and Legal	\$3,132,000	
Building Subtotal	\$120,037,000	\$268
GST	\$1,897,000	
Project Sub-total	\$121,934,000	\$272
Retained Risk	\$908,500	
UBC Finance Charges	\$3,031,000	
Project Total	\$125,873,500	\$281

#### Attachment 7 – Orchard Commons/SHHS Operating Budget Summary

Showing Breakeven in 2026/27 (Year 11)

	2016/17	2025/26	2026/27
Revenue			
Rental Income <sup>1</sup>	\$8,442,000	\$ 10,088,971	\$ 10,290,751
Meal Plan Income <sup>2</sup>	\$6,759,600	\$8,078,348	\$8,239,915
Conferences Income <sup>3</sup>	-	\$ -	\$ -
Rental Vacancy @ 1.5%	\$ (126,630)	\$(151,335)	\$(154,361)
Total Revenue	\$15,074,970	\$18,015,985	\$18,376,304
			_
Expenses			
Less Residential Operating Costs @ 40%	\$3,376,800	\$4,035,589	\$4,116,300
Less Food Delivery Costs @ 82%	\$5,542,872	\$6,624,245	\$6,756,730
Less Conferences Operating Costs @ 40%	\$ -	\$ -	\$ -
Total Direct Expenses	\$8,919,672	\$10,659,834	\$10,873,030
<u>-</u>			
Net Operating Income	\$6,155,298	\$7,356,151	\$7,503,274
Debt Service <sup>4</sup>	\$7,475,120	\$7,475,120	\$7,475,120
Total Cash Flow	¢(1 210 922)	<b>\$</b> (118,969)	\$20 1 <i>51</i>
Total Casil Flow	\$(1,319,822)	\$(110,909 <i>)</i>	\$28,154

- 1 12-month academic rental period rate for 1,005 Modified Traditional units is \$700/month in 2016/17. Rental increase is 2% per annum thereafter. Note that 43 of the 1,048 beds are dedicated to Residence Advisors, Residence Coordinators and Residence Life Managers who receive free rent as compensation for the services they provide.
- 2 For Year 1 the average Residential Meal Plan price is assumed at \$6450 for the 12-month term (Equivalent to \$4300 for 8-month term). Meal Plan increase is 2% per annum thereafter.
- 3 Assumes no summer conference occupancy based on 12 month Vantage College term.
- 4 Assumes financing at a net effective rate of 6.15% amortization over 30 years.

The full proforma spreadsheet is provided separately in an MS Excel file.

**Attachment 8 – UBC Vantage College Operating Budget** 

International Program CENTRAL CONTRIBUTION	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
International Program tuition	n/a	\$9.0	\$18.5	\$31.8	\$32.8	\$33.8	\$34.8	\$35.8
Program Design & Teaching Costs (incl. 1 FTE Curric Mgr)	(\$0.7)	(\$2.8)	(\$5.0)	(\$7.5)	(\$7.6)	(\$7.7)	(\$7.8)	(\$7.9)
Student Financial Aid Contribution (7%)	n/a	(\$0.6)	(\$1.3)	(\$2.2)	(\$2.3)	(\$2.4)	(\$2.4)	(\$2.5)
Recruitment / Marketing (incl. 2 FTE)	(\$0.7)	(\$1.2)	(\$1.8)	(\$1.8)	(\$1.8)	(\$1.8)	(\$1.8)	(\$1.8)
Admissions (incl. 3.7 FTE AOs)	(\$0.4)	(\$0.5)	(\$0.5)	(\$0.5)	(\$0.5)	(\$0.5)	(\$0.5)	(\$0.5)
Student Support Programs (incl. 1 FTE SSP)	(\$0.1)	(\$0.7)	(\$1.4)	(\$1.8)	(\$1.8)	(\$1.8)	(\$1.8)	(\$1.8)
Principal, 2 Directors, Admin Support	(\$0.4)	(\$0.6)	(\$0.6)	(\$0.6)	(\$0.6)	(\$0.6)	(\$0.6)	(\$0.6)
Operational Supplies & Expenses	(\$0.1)	(\$0.2)	(\$0.4)	(\$0.5)	(\$0.6)	(\$0.6)	(\$0.6)	(\$0.6)
Start-up Contribution	\$0.4	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Orchard Commons Building Operating Costs	n/a	n/a	n/a	(\$0.6)	(\$0.6)	(\$0.6)	(\$0.6)	(\$0.6)
Internal Contingency	n/a	(\$1.4)	(\$1.2)	(\$0.2)	(\$0.2)	(\$0.3)	(\$0.4)	(\$0.6)
University Infrastructure: Chemistry lab reno (Copp), one-time	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
University Infrastructure: Orchard Commons*	\$0.0	\$0.0	\$0.0	(\$1.8)	(\$1.8)	(\$1.8)	(\$1.8)	(\$1.8)
University Infrastructure: Global Student Centre (Old SUB)*	\$0.0	\$0.0	\$0.0	(\$3.8)	(\$3.8)	(\$3.8)	(\$3.8)	(\$3.8)
University Infrastructure: Undergrad teaching labs*	\$0.0	\$0.0	\$0.0	\$0.0	(\$3.0)	(\$3.0)	(\$3.0)	(\$3.0)
Re-payment of start-up funding	\$0.0	(\$1.0)	(\$1.0)	n/a	n/a	n/a	n/a	n/a
Contribution to the University as a whole**	<u>\$0.0</u>	<u>\$0.0</u>	<u>(\$5.3)</u>	<u>(\$10.5)</u>	<u>(\$8.2)</u>	<u>(\$8.9)</u>	<u>(\$9.6)</u>	<u>(\$10.3</u> )
TOTAL International Program Costs	(\$2.0)	(\$9.0)	(\$18.5)	(\$31.8)	(\$32.8)	(\$33.8)	(\$34.8)	(\$35.8)
NET International Program INCOME	(\$2.0)	(\$0.0)	(\$0.0)	(\$0.0)	(\$0.0)	(\$0.0)	(\$0.0)	(\$0.0)

<sup>\*</sup>Subject to Board approval

<sup>\*\*</sup>Includes IT, Library, Utilities, Indirect Costs, etc

## **Attachment 9 - Capital Project Accountability Scope & Planning**

PROJECT NAME				CURRENT APPROVAL	STATUS		
Project Name:	Orchard Commo	ns / UBC Vantag	e College			Level	Approval Dat
Department/Unit:	SHHS, UBC Var	tage College		Executive:		3	18-Apr-13
Sponsor:	L. Cowin, VPS;	J. Ridge, Vantage	College	Board:		1	4-Jun-13
ROJECT DESCRIPTION				FUNCTIONAL PROGRA	М		
Development Type:	Expansion			Space Type	Net SM	Net SF	Gross SF
acility Type:	Mixed Use Stude	ent Housing		Student Housing + Supp	20,574	221,456	340,00
Gross Building Area:	448,686 gsf (41,6	683 gsm) program	า	Commons Block	3,907	42,050	57,36
Capital Cost:	\$125,873,520			Vantage College	2,919	31,416	51,32
.ocation/Site:	UBC Vancouver	- West Mall & Ag	ronomy	Total	27,400	294,922	448,68
Primary Users / Tenants:	SHHS, UBC Var	tage College					
PROJECT RATIONALE & B	ENEFITS						
earning & Research Environ	ment	Learning spaces students	and writin	g centre for Vantage Colle	ege; Integration	of domestic and	d international
Student Amenity		Informal learning	space, di	ning hall, end of trip faciliti	es, fitness roon	n, games room,	music practice
Community Amenity				ore, activity/events space		, 3 ,	
Other Benefits:		Creation of a sus	stainable fa	acility for the new Vantage	College will he	Ip promote UBC	C's international
Other Benefits:				acility for the new Vantage institution that integrates	•	• •	
Other Benefits:		reputation as a v	vorld-class	,	•	• •	
Other Benefits:		reputation as a v	vorld-class	institution that integrates	sustainability a	• •	
SCHEDULE		reputation as a verge recruitment for the	vorld-class ne new Va Actual	s institution that integrates ntage College program SUSTAINABILITY GOAL Indicator	s sustainability a	• •	
SCHEDULE Board 1		reputation as a v recruitment for th Target Jun-2013	vorld-class ne new Va	s institution that integrates ntage College program SUSTAINABILITY GOAI Indicator Certification:	s sustainability a	get	will aid in
Board 1 Board 2		Target Jun-2013 Feb-2014	vorld-class ne new Va Actual	sinstitution that integrates ntage College program  SUSTAINABILITY GOAL  Indicator  Certification: Energy Efficiency Level:	LS Tar LEED Gold TBD % better the	at all levels, and	will aid in
Board 1 Board 2 Board 3		Target Jun-2013 Feb-2014 Jun-2014	vorld-class ne new Va Actual	sinstitution that integrates ntage College program  SUSTAINABILITY GOAL  Indicator  Certification: Energy Efficiency Level: Energy Use Intensity:	LS Tar LEED Gold TBD % better the 111 kWh/m2/yr	at all levels, and	will aid in
Board 1 Board 2 Board 3 Construction Start		Target Jun-2013 Feb-2014 Jul-2014 Jul-2014	vorld-class ne new Va Actual	sinstitution that integrates ntage College program  SUSTAINABILITY GOAL  Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction:	LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr	at all levels, and get an MNECB	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion		Target Jun-2013 Feb-2014 Jun-2014 Jul-2014 Jun-2016	vorld-class ne new Va Actual	sinstitution that integrates ntage College program  SUSTAINABILITY GOAL Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling	LEED Gold TBD % better the 111 kWh/m2/yr TBD % better the TBC % recyclin	at all levels, and riget  an MNECB  han standard g rate	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy		Target Jun-2014 Jun-2014 Jun-2016 Jul-2016	vorld-class ne new Va Actual	SUSTAINABILITY GOAL Indicator Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency	LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr	at all levels, and riget  an MNECB  han standard g rate	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion		Target Jun-2013 Feb-2014 Jun-2014 Jul-2014 Jun-2016	vorld-class ne new Va Actual	sinstitution that integrates ntage College program  SUSTAINABILITY GOAL Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling	LEED Gold TBD % better the 111 kWh/m2/yr TBD % better the TBC % recyclin	at all levels, and riget  an MNECB  han standard g rate	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy		Target Jun-2014 Jun-2014 Jun-2016 Jul-2016	vorld-class ne new Va Actual	SUSTAINABILITY GOAL Indicator Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency	LEED Gold TBD % better the 111 kWh/m2/yr TBD % better the TBC % recyclin	at all levels, and riget  an MNECB  han standard g rate	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy Board 4  DEVELOPMENT PROCESS	UBC Properties T	Target Jun-2013 Feb-2014 Jun-2014 Jul-2016 Jul-2016 Jan-2018	vorld-class ne new Va Actual	SUSTAINABILITY GOAL Indicator Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency Innovative Features:	LEED Gold TBD % better the 111 kWh/m2/yr TBD % better the TBC % recyclin	at all levels, and riget  an MNECB  han standard g rate	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy Board 4	UBC Properties T	Target Jun-2013 Feb-2014 Jun-2014 Jul-2016 Jul-2016 Jan-2018	vorld-class ne new Va Actual	SUSTAINABILITY GOAL Indicator Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency	LS Tar LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr TBC % recyclin TBD % better tr	rget nan MNECB han standard g rate han standard	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy Board 4 DEVELOPMENT PROCESS	Perkins + Will	Target Jun-2013 Feb-2014 Jun-2014 Jul-2016 Jul-2016 Jan-2018	vorld-class ne new Va Actual	Sinstitution that integrates intage College program  SUSTAINABILITY GOAL  Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency Innovative Features:  Construction Manager Infrastructure Development	LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr TBC % recyclin TBD % better tr	rget han MNECB han standard g rate han standard Stuart Olson	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy Board 4 DEVELOPMENT PROCESS Project Manager Architect	Perkins + Will  Date	Target Jun-2013 Feb-2014 Jun-2014 Jul-2016 Jul-2016 Jan-2018	vorld-class ne new Va Actual	Sinstitution that integrates nage College program  SUSTAINABILITY GOAL Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency Innovative Features:  Construction Manager	LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr TBC % recyclin TBD % better tr	rget han MNECB han standard g rate han standard Stuart Olson	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy Board 4 DEVELOPMENT PROCESS Project Manager Architect  AUDP Review	Perkins + Will  Date  Dec-13	Target Jun-2013 Feb-2014 Jun-2014 Jul-2016 Jul-2016 Jan-2018	vorld-class ne new Va Actual	Sinstitution that integrates intage College program  SUSTAINABILITY GOAL  Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency Innovative Features:  Construction Manager Infrastructure Development	LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr TBC % recyclin TBD % better tr	rget han MNECB han standard g rate han standard Stuart Olson	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy Board 4 DEVELOPMENT PROCESS Project Manager Architect  AUDP Review Dev. Review Committee	Perkins + Will  Date  Dec-13  Dec-13	Target Jun-2013 Feb-2014 Jun-2014 Jul-2016 Jul-2016 Jan-2018	vorld-class ne new Va Actual	Sinstitution that integrates intage College program  SUSTAINABILITY GOAL  Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency Innovative Features:  Construction Manager Infrastructure Development	LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr TBC % recyclin TBD % better tr	rget han MNECB han standard g rate han standard Stuart Olson	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy Board 4 DEVELOPMENT PROCESS  Project Manager Architect  AUDP Review Dev. Review Committee Public Open House	Date Dec-13 Dec-13 Jan-14	Target Jun-2013 Feb-2014 Jun-2014 Jul-2016 Jul-2016 Jan-2018	vorld-class ne new Va Actual	Sinstitution that integrates intage College program  SUSTAINABILITY GOAL  Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency Innovative Features:  Construction Manager Infrastructure Development	LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr TBC % recyclin TBD % better tr	rget han MNECB han standard g rate han standard Stuart Olson	will aid in
Board 1 Board 2 Board 3 Construction Start Substantial Completion Occupancy Board 4 DEVELOPMENT PROCESS Project Manager Architect  AUDP Review Dev. Review Committee	Perkins + Will  Date  Dec-13  Dec-13	Target Jun-2013 Feb-2014 Jun-2014 Jul-2016 Jul-2016 Jan-2018	vorld-class ne new Va Actual	Sinstitution that integrates intage College program  SUSTAINABILITY GOAL  Indicator  Certification: Energy Efficiency Level: Energy Use Intensity: GHG Reduction: Const Waste Recycling Water Use Efficiency Innovative Features:  Construction Manager Infrastructure Development	LEED Gold TBD % better tr 111 kWh/m2/yr TBD % better tr TBC % recyclin TBD % better tr	rget han MNECB han standard g rate han standard Stuart Olson	will aid in

## **Attachment 10 - Capital Project Accountability Budget & Funding**

<u>UBC</u>														
		Orchard Common			age C	olle ge								
		SHHS, UBC Vanta												
	Sponsor.	Louise Cowin, VPS	S; J	ames Ridge	e, Vant	tage								
APĪTAL	BUDGET (\$000s)						SHHS OPER	RATING PROF	OR	MA				
anital D	evelopment Cost	(Phaces 4+2)		\$000s	C II	GSF				2016/17	20	25/26		2026/27
Constru		(Filases ITZ)	\$	90.725			Revenue			2010/1/	20	ZJIZU		ZUZUIZI
	ction Contingency		\$	3.634	Ψ	202	Rental Inco	ma	\$	8,442,000	<b>\$</b> 10	0,088,971	\$	10,290,7
	Realm Allowance		\$	1,000			Meal Plan I		-	6,759,600		3,078,348	-	8,239,9
	rvicing Allowance		\$	2,000			Conference		•	-	Š	-	Š	0,200,0
	ion Allowance		\$	202				ancy @ 1.5%		(126,630)	•	(151,335)	-	(154,36
Replace	ement/Relocation A	llowance	\$	1,818			Total Revenu		\$	15,074,970	\$ 18	3,015,984		18,376,3
Kitchen	Equipment		\$	1,919										
FF&E			\$	3,636			Expenses							
UBC IT	and Secure Access	s	\$	1,768			Res Op Cos	ts @ 40%	\$	3,376,800	\$ 4	1,035,589	\$	4,116,30
Audio V			\$	1,414				ry Costs @ 82	\$	5,542,872	\$ (	5,624,245	\$	6,756,73
	Consultant Budget		\$	5,455			Conf Op Co		\$	_	\$	-	\$	-
	Management		\$	2,879			Total Direct I	Expenses	\$	8,919,672	\$ 10	),659,834	\$	10,873,03
	/ Commissioning /		\$	455			N-4-0	_ •	_	0.455.000		7.000.450		
-	mits, BO Charges,	insurance & Legal	-	3,132			Net Operatin	gincome	\$	6,155,298	2	7,356,150	\$	7,503,27
GST (1.			\$	1,897		070	D-MO :	_		7 175 100		7 475 400		7 175 15
Subtota			\$	121,934	2	272	Debt Servic	е		7,475,120		7,475,120	2	7,475,12
Constru	акіsк iction Period Financ	sina Coet	\$	909 3,031			Total Cash	Elou	e	(1,319,822)	•	(118,970)	•	20.47
	roject Budget	ing Cost	<b>S</b>	125,874	'e	281	TOTAL CASH	riow	•	(1,319,622)	<del>•</del>	(116,910)	2	28,15
		Assumes 1.048 be		123,074	-D	∠ <b>6</b> 1	Operating B	udget Notes:	SH	IHS is cashfl	ow noe	itive startir	na in	Vear 11
арка в	-	448,686 gsf	us				Operating b	duget Notes.	01	ii io is casiiii	ow pos	ilive staitii	ıy ııı	real II.
UNDING	AGREEMENTS (	(\$000s)					FINANCING	AGREEMENT	S (S	\$000s)				
	ding Source	Lia bility with:	_	ommitted	Sec	ured*		rviced By:	_	Loan Amt	Amor	t int	Ar	ın. Paymer
SHHE	antage College	SHHS	\$	102,249			See financing	g structure out	line	in report.				
IICs	inage conege	Vantage College	\$	22,625 1,000	Φ.	4 000								
Total														
			_			1,000	Total		\$	_			2	_
			\$	125,874	\$	1,000	Total		\$	-			\$	-
	paid or firmly comm		\$ efore	125,874 e end of con	\$ struct	1,000 tion				-				-
	lotes:	On-going revenues	\$ efore	125,874 e end of con m Vantage	\$ struct Colleg	1,000 tion ge and	Total  Debt Capacit	ty Impact:	En	dowment to			finan	
	lotes:	On-going revenues student housing wi	s fro	125,874 e end of con m Vantage upport the n	\$ struct Colleg	1,000 tion ge and		ty Impact:	En	lance from w	orking (	apital. Si	finan ufficie	ent liquidity
unding N	lotes:	On-going revenues student housing wi debt financing for t	fro ill s	125,874 e end of con m Vantage upport the n project.	\$ struct Colleg	1,000 tion ge and		ty Impact:	En		orking (	apital. Si	finan ufficie	ent liquidity
unding N	lotes:	On-going revenues student housing wi debt financing for t	fro ill s	125,874 e end of con m Vantage upport the n project.	\$ struct Colleg	1,000 tion ge and		ty Impact:	En	lance from w	orking (	apital. Si	finan ufficie	ent liquidity
unding N	lotes:    REQUIREMENTS   REQUIREMENT	On-going revenues student housing wi debt financing for the CHECKLIST & SI	fro ill s he GN	125,874 e end of con m Vantage upport the n projectOFF	\$ ecess	1,000 tion ge and sary		SIGNATURE	En	lance from w	orking (	apital. Si	finan ufficie g ca DA	ent liquidity i pital. IE
unding N	lotes:    REQUIREMENTS   REQUIREMENT	On-going revenues student housing wi debt financing for t	from the line of t	125,874 e end of con m Vantage upport the n projectOFF	\$ ecess	1,000 tion ge and sary		- '	En	lance from w	orking (	apital. Si	finan ufficie g ca DA	ent liquidity i pital.
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