



<b>Internal use</b> 898330
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# Application for a Grant

<b>Identification</b>						
This page will be made available to selection committee members and external assessors.						
Funding opportunity <b>Insight Grants</b>						
Joint or special initiative						
Application title <b>Feminist Energy Futures: Power Shift and Environmental Social Justice</b>						
Applicant family name <b>Wilson</b>			Applicant given name <b>Sheena</b>		Initials <b>L.</b>	
Org. code <b>1480111</b>	Full name of applicant's organization and department <b>University of Alberta Campus Saint-Jean</b>					
Org. code <b>1480111</b>	Full name of administrative organization and department <b>University of Alberta Campus Saint-Jean</b>					
					Preferred Adjudication Committee <b>435-16</b>	
Does your proposal involve Aboriginal Research as defined by SSHRC? Yes <input type="radio"/> No <input checked="" type="radio"/>						
Does your proposal involve human beings as research subjects? If "Yes", consult the <i>Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans</i> and submit your proposal to your organization's Research Ethics Board. Yes <input checked="" type="radio"/> No <input type="radio"/>						
Does any phase of the proposed research or research-related activity:						
A. Constitute a physical activity carried out on federal lands in Canada, as defined in sub-section 2(1), in relation to a physical work and that is not a designated project;					Yes	<input type="radio"/> No <input checked="" type="radio"/>
B. Constitute a physical activity carried out outside of Canada in relation to a physical work and that is not a designated project;					Yes	<input type="radio"/> No <input checked="" type="radio"/>
C. (i) Permit a designated project (listed in the CEAA 2012 Regulations Designating Physical Activities (RDPA)) to be carried out in whole or in part;					Yes	<input type="radio"/> No <input checked="" type="radio"/>
C. (ii) Depend on a designated project (listed in the RDPA) that is, or will be, carried out by a third party?					Yes	<input type="radio"/> No <input checked="" type="radio"/>
	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Total funds requested from SSHRC	<u>73,300</u>	<u>80,236</u>	<u>75,239</u>	<u>77,446</u>	<u>90,010</u>	<u>396,231</u>



Family name, Given name

Wilson, Sheena

### Participants

List names of your team members (co-applicants and collaborators) who will take part in the intellectual direction of the research. Do not include assistants, students or consultants.

Role

Co-applicant

Collaborator

Family name

Ikeda

Given name

Satoshi

Initials

Org. code

1240911

Full organization name

Concordia University

Department/Division name

Sociology and Anthropology

Role

Co-applicant

Collaborator

Family name

Beer

Given name

Ruth

Initials

S

Org. code

1590003

Full organization name

Emily Carr University of Art + Design

Department/Division name

Faculty of Visual Art and Material Practice

Role

Co-applicant

Collaborator

Family name

Moore

Given name

Lisa

Initials

Org. code

1100111

Full organization name

Memorial University of Newfoundland

Department/Division name

English Language and Literature

Role

Co-applicant

Collaborator

Family name

Dorow

Given name

Sara

Initials

K

Org. code

1480111

Full organization name

University of Alberta

Department/Division name

Sociology

Role

Co-applicant

Collaborator

Family name

Loveless

Given name

Natalie

Initials

S.

Org. code

1480111

Full organization name

University of Alberta

Department/Division name

Art and Design



Family name, Given name

Wilson, Sheena

**Participants (cont'd)**

Role

Co-applicant

Collaborator

Family name

Mookerjea

Given name

Sourayan

Initials

Org. code

1480111

Full organization name

University of Alberta

Department/Division name

Sociology

Role

Co-applicant

Collaborator

Family name

Given name

Initials

Org. code

Full organization name

Department/Division name

Role

Co-applicant

Collaborator

Family name

Given name

Initials

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Full organization name

Department/Division name

Role

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Department/Division name

Role

Co-applicant

Collaborator

Family name

Given name

Initials

Org. code

Full organization name

Department/Division name



### Research Activity

The information provided in this section refers to your research proposal.

#### Keywords

List keywords that best describe your proposed research or research activity. Separate keywords with a semicolon.

Energy humanities; feminism; women's studies; social movements; environmental justice; climate change; energy transition; activism; women's political engagement; environmental cultural studies; feminist communication studies

#### Disciplines - Indicate and rank up to 3 disciplines that best correspond to your activity.

Rank	Code	Discipline	If "Other", specify
1	70100	Women's Studies	
2	61499	Other Environmental Studies	Energy Humanities/ Petrocultures
3	50699	Other Communication and Media Studies	Social Movement Communication

#### Areas of Research

Indicate and rank up to 3 areas of research related to your proposal.

Rank	Code	Area
1	170	Energy and natural resources
2	213	Gender Issues
3	180	Environment and Sustainability

#### Temporal Periods

If applicable, indicate up to 2 historical periods covered by your proposal.

From	To																		
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">BC</td> <td style="text-align: center;">AD</td> </tr> <tr> <td style="text-align: center;"><u>1859</u></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;"><u>2017</u></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> </table>	Year	BC	AD	<u>1859</u>	<input type="radio"/>	<input checked="" type="radio"/>	<u>2017</u>	<input type="radio"/>	<input checked="" type="radio"/>	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Year</td> <td style="text-align: center;">BC</td> <td style="text-align: center;">AD</td> </tr> <tr> <td style="text-align: center;"><u>2016</u></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> <tr> <td style="text-align: center;"><u>2022</u></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input checked="" type="radio"/></td> </tr> </table>	Year	BC	AD	<u>2016</u>	<input type="radio"/>	<input checked="" type="radio"/>	<u>2022</u>	<input type="radio"/>	<input checked="" type="radio"/>
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<u>2022</u>	<input type="radio"/>	<input checked="" type="radio"/>																	



Family name, Given name

Wilson, Sheena

**Research Activity (cont'd)**

**Geographical Regions**

If applicable, indicate and rank up to 3 geographical regions covered by or related to your proposal. Duplicate entries are not permitted.

Rank	Code	Region
1	1130	Western Canada
2	1110	Atlantic Provinces
3	9001	International

**Countries**

If applicable, indicate and rank up to 5 countries covered by or related to your proposal. Duplicate entries are not permitted.

Rank	Code	Country	Prov./ State
1	1100	CANADA	
2	1200	UNITED STATES	
3			
4			
5			



Family name, Given name

Wilson, Sheena

**Response to Previous Critiques - maximum one page**

Applicants may, if they wish, address criticisms and suggestions offered by adjudication committees and external assessors who have reviewed previous applications.

Empty response area for addressing criticisms and suggestions.



Family name, Given name

Wilson, Sheena

### Summary of Proposal

The summary of your research proposal should indicate clearly the problem or issue to be addressed, the potential contribution of the research both in terms of the advancement of knowledge and of the wider social benefit, etc.

Oil moves us. We cannot imagine life without it. All the systems established over the last 150 years--the economic, cultural, political, legal and ideological frameworks of local and global social relationships--have been shaped by oil and its networks of power. Transition to a low carbon world requires that we redesign the ways we live and work: how we travel, communicate, produce and distribute food, heat our home, value and exchange goods, govern and live together in community. Therefore, energy transition means nothing other than social transformation.

Energy transition demands an interdisciplinary and feminist understanding of societies and cultures to provide choices that enable citizens to act on equitable visions for the future, on the scale and within the tight time frames necessary. At the same time, the experts consulted about policy change typically take up scientized and patriarchal modes of knowledge (Blue 2016). But, energy transition requires more than science, technology and business-as-usual solutions.

This research is driven by two ideas: 1) the future will be shaped by those who are able to imagine it. 2) feminist and inclusive thinkers interested in equity, under whatever name they go by, should be shaping that future. Therefore, feminists of all genders, and stories and cultural production of all forms, are critically important to imagining less carbon intensive and socially just futures, as we power-down.

Women constitute the majority of front line environmental justice activists resisting big oil around the globe (Verchick 2004). Yet, their feminist knowledge, ecological improvisations and cultural-political traditions of sustainable living are shut out from both public debate and high-level political negotiations regarding energy futures. In short, the public has been denied information about the critical need for energy transition through the orchestrations of lobbyists invested in delaying responses to climate change (Brulle 2014). Even more troubling, the public has been left ill equipped to imagine inclusive post-carbon futures. This research project addresses these knowledge gaps through six case studies of feminist environmental justice and energy transition activism across Canada.

Where feminist knowledge has historically been erased from the official record, it has been preserved through various forms of cultural production. Whatever the medium, visual and textual stories are key to mobilizing feminist change. Using feminist intersectional theories and qualitative methods this interdisciplinary research team will record existing and co-construct new feminist knowledge about how we might collectively delink from existing modern colonialist and capitalist production platforms that degrade ecosystems, accelerate global warming and exploit gendered and racialized bodies. We will do so by creating an archive of energy transition texts (stories, video, art, textiles, artefacts) produced through participatory action research; by analyzing how feminist ideas, narratives, digital media creations and social justice activism intersect with women's marginalized traditions and practices of social reproduction and common value creation on which the sustainability of households and communities depend; and by showing how practices of social reproduction are important for developing feminist strategies of communication and networks of cooperation, conscientization and repoliticization.

The academic and cultural outputs (storied knowledge) created by our feminist researchers and participants, for activists, scientist, engineers, and policy makers, will be mobilized to shift public perceptions toward more equitable imaginaries of our collective energy future.

**Objectives:** As industry and government work to perpetuate oil-fuelled futures by creating the infrastructures to move oil sands crude to tidewater on the East and West Coast of Canada for the next 50 years, this project will examine how feminist counter-narratives demanding energy transition and women's lived dissent strategies confront the challenges of global warming and enact a politics of energy transition. Some of these narratives and strategies are mobilized online, others through creative and artistic production, and others manifest on the ground as political protest. These practices of dissent grounded in feminist knowledge and women's household and community service work are important for several reasons. Feminist knowledges are embodied, perspectival and situated by contexts of social reproduction (Haraway 1988, Smith 1990). *The work women do in sustaining households and communities, the feminist knowledge of sustainability that arises from women's community building practices, the forms of sustainable common wealth women thereby create are rarely recognized by dominant social, economic and political institutions. Consequently women's participation in civil society and feminist contributions to public debate and high-level political negotiations regarding climate change and sustainable energy futures are too often silenced and forgotten.* The seven core researchers of our interdisciplinary team (along with collaborators where possible and when appropriate) will identify, map, analyze and together contribute creatively to environmental justice activism around oil and energy transition, enacted by feminist activists across Canada focusing specifically on the five-year period of the project (2017-2022), but also including some texts and events dealing with feminist resistance. *Specifically this research will examine the communication strategies with which feminist activists seek to repoliticize privatized domains of household and community reproduction rendered invisible by governmental and economic rationalities and policy discourses.* We carry out six case studies, where women are heavily engaged in environmental justice, *both in terms of their subsistence practices in the domestic sphere and as leaders and participants in community movements resisting large energy projects* (oilsands, pipelines, fracking and hydrodams) in six specific geographic locations across Canada: Athabasca-Wabasca, AB; Fort McMurray, AB, Saskatoon, SK; Kitimat, BC; Burnaby, BC; Churchill Falls, NL. This project will:

- 1) Record and build feminist knowledge around environmental justice and energy transition projects using feminist, collaborative, community-based qualitative research methods, including semi-structured interviews and feminist participatory action research, which give voice to women who will creatively capture their expertise in the medium of their choice: creative non-fiction writing, digital storytelling, participatory photography (photovoice), visual and material art.
- 2) Create a set of set of energy transition cultural resources (stories, art and artefacts) that include a) knowledge, b) memories c) communication media and d) practices.
- 3) Conduct a feminist critical-theoretical synthesis of this knowledge:
  - a) Map local anti-oil resistance activities in relationship to one another and as they link to and coordinate with larger overarching movements at the national and international scale.
  - b) Map women's narratives about their needs and priorities regarding their responsibilities for the everyday social reproduction of their households and communities.
  - c) Map the networks of cooperation these women create to ensure the social reproduction of households and communities. Such mapping will illuminate feminist visions of sustainability.
  - d) Compare these discourses to dominant narratives circulating around women and energy in Canada, in energy company advertising and mainstream reporting available online.
- 4) Develop new theories around the role of feminist anti-oil and environmental social justice activism in effecting change online, through art, and on the ground.



This knowledge will be useful to several broad ranging audiences: a) to the local communities where research was conducted will be more able to recognize their own experts and expertise; b) to environmental justice organizations and feminist organizations across Canada will be able to use these resources to organize women's participation in energy justice and energy transition politics; c) to a broad range of energy experts working together under the banner of Future Energy Systems Research Institute (FESRI), the recently awarded \$75M Canada First Excellence (CFI) project being run out of the UofA, with researchers from Engineering, Science, and the Social Sciences and Humanities (on which the P.I. is collaborator); d) and to energy transition policy makers.

**Context:** Oil and energy are popularly seen as the political purview of men, while many environmental justice movements are composed of women activists and lead by powerful female advocates and driven by unpaid women's labour at every level (Austin & Schill, 1994; Birkeland, 1993; Setterberg & Shavelson, 1993; Buckingham and Kulcur, 2009; O'Shaughnessy & Kennedy, 2010). Robert R. M. Verchick (2004) goes so far as to call the environmental movement a feminist movement. Yet in public discourse around energy transition, women are most often invisible (Adkin 2009, Macgregor 2006, Rahder 2010, Wilson 2012, 2014, 2017). In Canada, we have an increasing number of powerful female voices speaking out against Western Canadian oil sands and boom-and-bust project energy projects in Newfoundland and Laborador.

While there has been some scholarship on women's involvement in environmental justice protests in Canada and elsewhere (Adkin 1998, 2009, 2016, Agyeman et al 2010, Macgregor 2006), there has been too little work on women's anti-oil and conventional energy resistance overall, particularly in the Canadian context, notwithstanding the work of the P.I. and co-applicants on this project, all of whom bring with them expertise in gender and race at the intersections of energy and cultures. This Canada-focused project will be able to build on the studies of women's roles in disrupting oil and organizing energy protests in other national contexts, particularly in the U.S. and U.K., Nigeria, and South America (Alexander, 2005; Eisenstein, 2004; Ekine, 2000; Mama, 1997; Shepherd, 2008; Sutton, 2007; Turcotte, 2011; Turner & Brownhill, 2004; Turner & Oshare, 1994; Vinyeta, Whyte & Lynn, 2015). Researchers in other national contexts have also explored the intersection of feminist and environmental justice politics (Miller et al. 1996, Rocheleau et al. 1996, Warren 2000). There is an extensive literature on women's involvement with environmental health and safety issues (Buckingham et al 2005, Stein 2004), on gender and sexuality as intersections of activism against environmental racism (Stein 2004, Teelucksingh 2002), and on queering environmental justice (Sandilands & Erickson 2010).

The originality and significance of *Feminist Energy Futures* is then its documentation of a network of feminist knowledge in relation to energy transition, its analysis of how this knowledge unfolds in feminist activism, how it is mediated, and how it is represented in different places through cultural production, as well as how this knowledge is remembered and transmitted through a media ecology. We examine, moreover, how feminist environmental justice practices, knowledges and communication strategies are rooted in and build upon the invisible, feminized labour of common value creation that make households and communities sustainable. This project aims to not only identify feminist knowledge absent from patriarchal institutions and expertise, but to empower feminist social actors through participatory action research methods to creatively capture their stories and in so doing to recognize individual and community-held wisdom.

This research takes up Gwendolyn Blue's (2016) challenge to interpretive and feminist scholars to reframe issues of climate change—energy transition being one of, if not, *the* most pressing. Just as Blue recognizes that scientization of politics can tend to not only inform but drive and delimit public discussion, we too recognize that energy transition requires much more than a

patriarchal discussion of science and technology solutions. It demands others ways of organizing life, reproduction, labour and value; all issues that have been called into question repeatedly by feminist arguments and theories over the last two centuries. In short, addressing energy transition only through dominant perspectives that are always already shaped through their exclusion of women and other marginalized groups does inevitably limit and “constrain imaginative engagement with present and future socio-environmental change” (Blue 2016). *Feminist Energy Futures* aims to reposition feminist voices as equal participants in discussions around energy transition and the futures of our communities. To accomplish this, we take as our point of departure O’Shaughnessy and Kennedy’s (2010) work on “relational activism”, which they define as “the behind-the-scenes, private sphere, and community-building work performed primarily by women that makes environmental activism possible.” Similar to Blue, they bring into question masculinist assumptions underlying social scientific and humanities accounts of activism and especially of the public sphere. While O’Shaughnessy and Kennedy give us a vivid picture of the gendering of environmental activism in their sample of Canadian households, we build upon this work to examine feminist strategies of contestation, creativity, communication and community building through which women engage in energy transition environmental activism that resists patriarchal private/public regimes of devaluation and marginalization. We bring to the questions raised by O’Shaughnessy and Kennedy and by Macgregor’s (2006) work on feminist ecological citizenship rooted in women’s caring labour, the insights of social reproduction feminism (Bakker 2007, Bezanson and Luxton 2006, Federici 2016, 2012, Ferguson 2008, Mies and Bennholdt Thompson 2000) regarding forms of common wealth created by feminized and subalternized practices of relationship building that sustains households and communities intergenerationally.

To ensure the feasibility of this project, we have restricted its scope to six thematic case studies ranging from the Canadian West to East coasts involving communities impacted by corporate and political agendas to get oil sands crude to tidewater and to more broadly control natural resources for energy production purposes (fracking and hydro). While the entire research team will contribute across each of these studies, each research theme will be led by sub-teams. These themes are: 1) KNOWLEDGE (led by Wilson & Mookerjea) 2) IMAGES (led by Beer & Wilson) 3) MEMORIES (led by Moore and Loveless) 4) NARRATIVES (led by Moore, Mookerjea and Wilson) 5) RELATIONSHIPS (led by Ikeda, Dorow, Mookerjea) 6) COMMUNICATION (led by Mookerjea and Wilson). These research themes connect together through case studies involving Burnaby and Kitimat BC, impacted by the Northern Enbridge Pipeline; Athabasca-Wabasca and Fort McMurray in Northern Alberta, all strongly impacted by oil sands development; Saskatoon, the birth-place of Idle No More, and the site of ongoing anti-fracking resistance; and Newfoundland, with its strong ties to Alberta’s oil sands through labour migration and its proposed expansion of the Churchill Falls hydro project (with its undocumented history of feminist relational labour activism) to Muskrat Falls, which is meeting increasing resistance. In each of these communities, we focus on the creation of feminist knowledge regarding sustainable social reproduction and dissent, mapping the way community efforts connect to one another and to major movements that include either implicit or explicit feminist justice agendas, such as The Leap Manifesto, Council for Canadians, Idle no More, Greenpeace, Lubicon Solar, Keepers of the Water, Women for Change, Blue Dot, Climate Justice Saskatoon, Saskatchewan EcoNetwork. These are just a few of the organizations that we will definitively work with; others will emerge as the research progresses.

**Methodology:** *Feminist Energy Futures* is grounded in a critical theoretical and emancipatory research paradigm. It is a feminist collaborative research project in its design, subject matter, methodological practices, and theoretical underpinnings. Drawing on feminist cultural studies and

intersectionalist theories this project will engage research participants as actors in the process. Each participant will be invited to actively contribute to the process of knowledge construction and co-construction as both interlocutor in the semi-structured “interviews”, which we prefer to call dialogues, and as creator of knowledge produced through the participatory action research (PAR) outputs that may include digital storytelling, short films, participatory photography (also known as photovoice), multi-media video montage, material art (weaving, beading, sculpture), audio recordings, oral histories, literary and creative non-fiction outputs, or other anticipated media. The medium that will be selected by each researcher or each community need not be determined in advance, because they will and should emerge in context. For example, several core members of our team, namely Wilson, Mookerjea, and Alook, have been working in close communication with Treaty 8 and Melvin Beaver from Bigstone Cree Nation in Wabasca for the last year; and the proposed research plan comes out of the needs identified by that community. They are asking for support recording knowledge as part of a small museum/exhibition that will contain visual and oral histories as well as other creative production that preserve and communicate history, culture, and language, including sustenance practices. While the focus of this project is not ‘Aboriginal Research’ per se, to exclude Indigenous communities would be to replicate histories of exclusion and silencing as oil and energy issues necessarily touch Indigenous communities and Indigenous women activists, who often find themselves on the front lines resisting corporate and government encroachment onto their territories. Therefore, we will be working with both Indigenous and settler ally communities and the team includes not only Indigenous consultants (Fletcher and Makokis), but researchers with experience working with a range of communities and cultures (Alook, Dorow, Ikeda, Mookerjea, Wilson). Whatever the demographic makeup of the communities and participant groups we will be working with, we will respond in flexible ways to their self-identified needs and preferences for knowledge creation and mobilization. Therefore, we have chosen a research team with experts in a range of arts: material art (Beer and Loveless), the literary arts (Moore and Wilson), and the visual and multi-media arts (Beer, Loveless, Ikeda, Mookerjea, and Wilson). In each of the six locations, the research team will provide foundational multi-media and writing as inquiry training to PAR participants and support them throughout the period of the project to be able to produce or collaboratively co-produce in community, the stories, art and artifacts that communicate and archive deeply held knowledge(s). Drawing on feminist methodologies specifically, we propose to conduct research that both differs from and contests patriarchal and colonialist circuits of knowledge creation and power relations. In this regard, our range of qualitative methodologies will bring to the foreground the ethical responsibility embodied in a “listening and learning stance” (Clarke 2012) especially in our work with marginalized research participants. (see Data Collection for details.)

In addition to these community-based research methods, this project also includes digital humanities methods for online data scraping and web crawling. This data is necessary for two reasons: 1) In order to capture a baseline for the way women and their relationship to oil and energy is typically understood in these local communities as well as more broadly across Canada. Using a set of keywords that will include the names of major oil and energy companies, proposed energy industrial projects affecting these areas, and energy-related terminology, this data scraping will aim to capture a swath of advertising produced by companies themselves, by umbrella associations such as the Canadian Association of Petroleum Producers (CAPP) and the Canadian Energy Pipeline Association (CEPA), major Canadian newspapers as well as local media outlets in the six case-study locations. 2) In order to capture whether activism on the ground translates online and in what ways. Online communication strategies will be analyzed for their function and feasibility to effect change, by first gathering the data through web scraping, with a particular focus on social-media networks such

as Twitter and Tumblr as well as YouTube, Vimeo, blogs, websites and other online platforms. UAlberta Libraries will support this research by setting up web crawling parameters that link to library-hosted ERA data archives. Raw data will then be organized and either remain in ERA or moved to the most appropriate digital archive—either MediaToil or CWRC (see Building the Archive, below). NVivo will be used to organize the full data set and to conduct discourse analysis.

**Data collection: ‘Participatory Action Research (PAR):** In order to deepen our understanding of feminist environmental justice communication strategies, we will convene participatory action research groups (n ~5-10) with women who have participated in events convened by the feminist environmental organizations. The focus will be knowledge gathering and building around energy transition, subsistence practices, intergenerational relationships, sustainability, environmental philosophy. **Interviews:** These participatory action research events will also provide the opportunity for the P.I. to conduct semi-structured interviews/dialogues with leaders in the feminist environmental movement (n~15), to record how personal histories connect with current political practice of relational activism: challenges they face, how they negotiate power relations.

**Digital Data Collection: Building the Archive.** The data gathered during this research project will be made available open access, to the degree possible given ethics guidelines and copyright permissions.

**Mapping:** The project website (to be institutionally hosted on the Campus Saint-Jean server and affiliated with the University of Alberta library) will include interactive mapping created using Story Maps—an open access software. These online maps will provide an online platform to disseminate the knowledge archived in the cultural production outcomes (literary arts, material arts, multi-media) of the PAR participants. The website and interactive map, however, are merely the skin to make the data archived in perpetuity in three open access databases (MediaToil, CWRC, ERA). The project site plays an important role in organizing the data and making it easily accessible to researchers specifically interested in feminist environmental activist movements and energy transition in Canada.

**MediaToil:** All data regarding media reports and industry publicity garnered from the online scraping will be housed in perpetuity in MediaToil: an archive hosted by ComputeCanada (another SSHRC funded research project lead by Patrick McCurdy, a member of the Petrocultures Research Group, which the P.I. co-directs). This archive contains data up until the end of 2015; *Feminist Energy Futures* will expand this database. **CWRC:** The Canadian Writing Research Collaboratory will archive literary and artistic PAR outcomes. A large CFI funded digital humanities project, CWRC allows for textual annotations, images, audio, and video. It supports the creation and storage of digital research content according to best practices in data sharing and management, and provides for long-terms preservation through a partnership with the UofA Library. The P.I. has been involved with CWRC for the last 6 years. **ERA:** Whatever data is not appropriate for either MediaToil or CWRC will be archived in an Educational Research Archive (ERA) hosted by UofA Libraries.

**Timeline:** Years one through three will be research intensive as the team works to gather data both from online sources and in communities. **Year One (2017-18):** 3 research trips. 1) A project launch for the entire team of co-applicants, collaborators and Indigenous consultants: one day meeting in Edmonton, two day PAR trip in Athabasca-Wabasca. 3 members of the CoLAB will also join this event (supported by KIAS funding). This initial group research trip will establish the practices and methodologies of the project, which can then be reproduced by smaller research teams in other sites over the course of the project. 2) Fort McMurray (for 2 members of the team: Sara Dorow + P.I.) to run participatory action workshops and conduct and interviews with women involved with Women for Change, Keepers of the Water annual healing walks and bush camps, and or related anti-oil and energy transition activism around the rebuilding of the community after the enormous fire that swept

the community in spring 2016. 3) A trip to Saskatoon (P.I. + co-app Beer) to research local anti-fracking activism, green energy initiatives, and interview the founders of Idle no More.

**Year Two (2018-19):** Transcription and data analysis begins using NVivo and qualitative analysis methods. Three initial research trips: 1) to Kitimat, B.C. (2 researchers and 2 students) to interview and conduct PAR along the Enbridge Northern Gateway Pipeline Route. 2) to Churchill Falls, NL (for one co-applicant—Lisa Moore), to conduct PAR and interviews on feminist social memory narratives of historical protests regarding the Churchill Falls hydro project as these inform the Muskrat Falls protests. 3) to Burnaby Mountain (P.I. + Mookerjea) to investigate resistance activities related to Kinder Morgan Pipeline. (Co-app Beer lives in Vancouver and will join Burnaby research at no cost each year.) There will also be second stage, follow up PAR at the research sites from year one: Athabasca-Wabasca, Fort McMurray, Saskatoon. End of year two (spring 2019), dissemination begins: individual and collaboratively written projects presented at conferences.

**Year Three (2019-2020):** Stage 2 follow-up PAR held in Kitimat, Burnaby and Churchill Falls. Following the 2<sup>nd</sup> Churchill Falls events, there will be a follow up meeting at Memorial, where a small cohort (Wilson, Mookerjea and Ikeda) of the core team will travel to meet and debrief with Lisa Moore. This will also provide the opportunities for public presentations organized by Memorial University. (Note: CRC Ikeda will fund his own research travel.)

**Year four (2020-21):** Continue to organize data and build the archives. Create website infrastructure to be filled with PAR outcomes late in year 4 and throughout year 5. Focus on analysis, publication and dissemination. Attend conferences. Continue writing and editing of book projects. (See “Dissemination” below.) End of year four: Community Exhibits and Public Roundtables, where PAR outcomes will be exhibited/performed/shared in local research communities.

**Year five (2021-22):** Submit book manuscripts for peer-review: 1) edited collection and 2) monographs being produced by P.I. and lead co-applicant. Plan and host final art exhibit as part of a larger conference on this topic (see “Dissemination” below for more details). Year five will also involve preparing a SSHRC Partnership Development Grant, that will allow researchers on this project to move into future related project that grows organically out of this initiative.

**Dissemination:** All team members will present findings at conferences and we will co-publish scholarly articles in highly-ranked journals such as *Hypatia*, *Environmental Communication*, *International Journal of Communication*, *Topia*, *International Journal of Cultural Studies*, *Climate Change*, *Geoforum*, *Environment and Planning D.*, *Public Culture*, *Social Text*, *Social Movement Studies*, *Current Sociology*, *International Sociology*, *Environmental Humanities*, *Environment & Organization*, *Gender & Society*. Furthermore, we will engage a more general readership through the open-access online website and free print publications (e.g. *Vue Weekly*, *Edmonton Woman Magazine*, *The Independent* in NL). A collection of essays by the participating researchers, edited by the P.I. and lead co-applicant (Wilson & Mookerjea), will be key to disseminating results. In years four and five, we will host a series of 7 public events (6 community exhibits plus a finale event in Edmonton) that will each include a public round table and an exhibit of the stories, art, artifacts (research-creation) produced during the participatory action research. The grande finale exhibition held at FAB Gallery, UofA, and co-hosted by the Intermedia Research Studio will bring together the work produced by both researchers and participants in all of the 6 research communities across Canada over the five years of the project. Similar to past events organized by the P.I. and collaborators on this project, we will invite key stakeholders (community, gov. & industry) to these events and this will attract television and radio publicity. There will also be a digital version of this final installation archived in perpetuity online. (See Kmb and Outcomes for more details.)

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**Target Audiences:** Our knowledge mobilization plan will reach humanities and social science scholars (of Cultural Studies, Energy & Environmental Humanities, Gender & Women’s Studies, Communications) as well as scientists and engineers (particularly those collaborating on the national-scale FESRI CFI project at UofA), artists, writers, community organizers, activists, NGOs, policy makers, all levels of government, and the general public interested in energy transition.

**Activities include:** 1) produce a set of energy transition cultural archives, political maps and communication media that (feminist) civil society organizations can use to support women’s participation in public debate regarding energy futures, that FESRI researchers can use to inform workable technology responses and science solutions, and that policy makers can use to shape energy transition and the future of communities. PAR participants, who will have engaged with the research questions as cultural producers, implicitly or explicitly recording their practices and knowledge through stories and art, will have a platform to share their environmental philosophies and feminist motivations for their political work and subsistence practices. The Community Exhibits of this cultural production will garner media coverage, and we will produce media for the research outcomes through publication on the project website promoted via twitter, Facebook and other social media sharing, as well as by writing short op-ed pieces for local and major papers across the country. Feminist environmental social justice activities that have been too long ignored will be brought to academic and public awareness because of these articles, making them more broadly recognized and understood. In short, open access will be central to dissemination strategies; all research will be readily available via Academia.edu and we will endeavouring to innovatively showcase research in wide-reaching venues such as CBC *Ideas* “From the Trenches” program. 2) This research project will also establish effective methods for integrating knowledge mobilization training into graduate researcher experiences. 3) The entire team (including graduate students) will be educated on open access, knowledge democracy platforms and the use of digital humanities tools in CWRC, MediaToil and ERA that will make the research publicly accessible (See ‘Data Management’ in Description). 4) Knowledge will also be created during the dissemination process itself, as participants and researchers share and engage with communities during KM activities.

**In academic venues:** 1) work with team, including students, to co-author papers for peer-reviewed journal and conferences at national and international venues—ideally open access. 2) collaboratively produce an edited collection. 3) publish monographs already underway on related topics by the two lead researchers: Dr. Wilson and Dr. Mookerjea. 4) the P.I. will publish a book of oral essays based on interviews conducted with feminist environmental leaders. 3) speak to scholars and students across the disciplines such as WISEST: Women in Scholarship, Engineering, Science & Technology.

**In community spaces:** 1) 6 Community Exhibits and Roundtables hosted in years four and five (3 each year) will allow the team to share and showcase knowledge and research with the communities we worked in. These exhibits will be organized by the three members of the team with museology and curatorial expertise (Beer, Loveless, and Winkler), each taking the lead in two of the communities. a) Roundtables on opening night of each exhibit will attract media attention at each location across the country, and they will put local feminist environmentalists in dialogue with industry, government and community leaders, including elders. These events will be recorded, edited, and made available via the archives and project website. 2) At the end of year five, there will be a grand finale exhibit at the UofA’s FAB Gallery to bring together the six community exhibits in year five. 3) Critical to this project is the sharing of results with community organizations and policy makers at every level of government. Collaborator Dr. Cucchiara, for example, will facilitate communication with his team at Alberta Energy, and with the provincial Ministry of Energy.





Family name, Given name

Wilson, Sheena

**Expected Outcomes**

Elaborate on the potential benefits and/or outcomes of your proposed research and/or related activities.

**Scholarly Benefits**

Indicate and rank up to 3 scholarly benefits relevant to your proposal.

Rank	Benefit	If "Other", specify
1	Knowledge creation/intellectual outcomes	
2	Enhanced research collaboration	
3	Student training/skill development	

**Social Benefits**

Indicate and rank up to 3 social benefits relevant to your proposal.

Rank	Benefit	If "Other", specify
1	Cultural outcomes	
2	Enriched public discourse	
3	Enhanced policy	

**Audiences**

Indicate and rank up to 5 potential target audiences relevant to your proposal.

Rank	Audience	If "Other", specify
1	Academic sector/peers, including scholarly associations	
2	NGO and community organizations	
3	Provincial/territorial government	
4	Municipal government	
5	Federal government	



Family name, Given name

Wilson, Sheena

### Expected Outcomes Summary

Describe the potential benefits/outcomes (e.g., evolution, effects, potential learning, implications) that could emerge from the proposed research and/or other partnership activities.

The outcomes can be summarized as follows: 1) Feminist knowledge archive around energy transition; 2) six small exhibits and one major gallery show of feminist cultural production on energy and environment (stories, digital stories, maps); 3) an edited collection of scholarly essays; 4) refereed published articles; 6) an online open-access project website, linking to open access databases for media (MediaToil), Canadian literature (CWRC), and a more general library repository (ERA); 7) mentoring junior faculty (some of whom are collaborators), MA and PhD students; 8) developing partnerships with diverse cultural communities across Canada resisting energy infrastructure projects and pushing for socially just energy futures.

#### Scholarly Benefits:

- (1) Knowledge creation/intellectual outcomes: The central focus of this project is to build knowledge and understanding around how energy is always already a feminist issue and increase awareness around how plans for energy transition must include the voices and knowledge of feminist environmentalists. Through direct contact with environmental activists and social justice leaders, this project will identify the various forms of feminism (whether it is eco-feminism, Marxist feminism, feminist system's change, standpoint feminism, Xenofeminism, womanism, decolonial love) or new and emerging forms of feminism that implicitly and/or explicitly inform women's environmental politics and practices.
- (2) Enhanced research collaboration: This project will also strengthen institutional partnerships between the home institutions of its team members at the University of Alberta, Emily Carr University of Art and Design, Concordia University and Memorial University. It will also foster collaborative communication between a number of communities in Northern Alberta (Edmonton, Athabasca, Wabasca, Fort McMurray), in B.C. (Burnaby and Kitimat), Newfoundland (St. John's and Churchill Falls), and Saskatoon and surrounding areas in Saskatchewan.
- (3) Student training/skill development: Students will gain experience with an interdisciplinary research team working with a range of communities throughout Western and Atlantic Canada. Participation in research, data collection, open-access archiving, and knowledge mobilization activities will enhance students' career preparation as they work with highly skilled and respected scholars and community leaders and learn to build relationships across diverse communities with divisive energy politics.

#### Social Benefits:

- (1) Cultural outcomes: A range of cultural production---stories, digital stories, photography, art---will be created through the participatory action research activities. These will capture knowledge about local environments, women's subsistence practices, their environmental politics and activism, helping communities to collectively imagine feminist energy futures
- (2) Enriched public discourse: Cultural outcomes and research results will be shared widely with academic audiences, NGO and community organization, and leaders at every level of community and government. Research outcomes will details why feminist knowledge(s) can and must inform energy transition, and how this knowledge is being effectively mobilized in certain contexts, so that these same strategies can be applied more broadly. This will enrich public discussion and shift social perceptions around energy transition.
- (3) Enhanced policy: The aim of this project is to inform and shift energy policies that move us toward more environmentally- and socially-just feminist futures, whether those policies are part of science and tech development in FESRI, or government policy at all levels.

**A. Description Team, P.I. + 6 co-applicants + 5 collaborators:** Dr. Sheena Wilson is P.I and Dr. Sourayan Mookerjea is lead co-applicant and they provide the intellectual leadership for *Feminist Energy Futures*. They have also invited participation from leading scholars across Canada, because the study of social and cultural impacts of oil demands multi- and interdisciplinary inquiry and agility. Co-applicants come from all level of the professoriate: assistant professor to CRC. They work at institutions across Canada, from Emily Carr University in B.C., to Memorial University in Newfoundland, and they come from a range of disciplines in the fine arts, humanities and social sciences. The project is headed up out of the UAlberta, with a strong local team. Collaborators also provide key expertise and have relationships to our 6 identified research communities, as well as connections to various branches of government. The P.I. has a proven track record of collaboration, and she has worked with many team members before. Likewise, many members of the team have ongoing productive research relationships. This dynamic group has the breadth of scholarly expertise and community-insider access necessary to ensure outcomes are produced within the timeline and budget. These same relationships within academia and beyond, with communities and government, will facilitate dissemination and research impact to scholars networks, politically active organization and communities, and to policy makers. This team is well placed to successfully accomplish a project of this scope. The contributions of team members are are outlined at the end of their bios below.

Principal Investigator dedicating 70% of her research time: **Dr. Sheena Wilson**, [Associate Professor, Campus Saint-Jean UofA, Co-founder/Co-director of the Petrocultures Research Group, Director of the Bilingual Writing Centre, Editor of *Imaginations: Journal for Cross-Cultural Image Studies*, and Collaborator on UAlberta's Canada First Research Excellence-awarded project "Future Energy Systems Research Institute" (FESRI)]. *Feminist Energy Futures* is her primary research focus (70%), and she will be involved in coordinating all stages of the project, providing intellectual leadership, running PAR, interviewing activist leaders, and managing data archiving, knowledge mobilization and student supervision. She will be on sabbatical on 2017-18 and will be able to dedicate herself fully to launching this project; it will be her primary sabbatical research focus.

Dr. Wilson has the leadership experience to manage this research team. As director of the writing centre for the last decade she oversees a \$200,000 a year budget, coordinates with 40 faculty members, and trains and supervises a team of 15 student tutors per year (totalling over 150 student over 10 years). Likewise, as editor of a SSHRC funded open-access journal, she supervises GRAs and works closely with the 5 members of the managing editorial board and the 17 advisory board members. As co-founder and co-director of the Petrocultures Research Group (2011- ) she works with 200 researchers from more than 12 countries, many of them leading scholars in what is now being referred to as the emerging discipline of the energy humanities. Dr. Wilson was the principle organizer of the initial SSHRC-funded Petrocultures conference in 2012. That conference (like all events she organizes) included not only 100 scholarly presentations, but research-creation presentations, workshops, and a formal art show at Gallery 501. It invited participation from industry, government, and community stakeholders, including First Nations and Métis leaders and elders. It garnered significant media attention. Pursuant to that inaugural event, Petrocultures has hosted a range of scholarly activities: a now biannual international conference (2014 at McGill, 2016 at Memorial, 2018 in the UK), the Marxism and Energy conference (2014), an After-Oil "school" (2015), and numerous lectures and conference panels. In 2016, she co-hosted the SSHRC funded "Mapping the Maternal: Art, Ethics and the Anthropocene" conference, which opened with the New Maternalisms exhibit at FAB Gallery, curated by Dr. Loveless. Dr. Wilson is also a point person for the humanities team working under the umbrella of the new \$75M energy institute, FESRI.

Co-investigator dedicating **60% of his research time: Dr. Sourayan Mookerjea**, (Director, Intermedia Research Studio, Department of Sociology, University of Alberta) researches social protest against environmental degradation and development dispossession, with emphasis on communication strategies, media ecologies and cultural practices of subaltern resistance, cooperation and common wealth creation. Mookerjea's contribution to the project will be developing the theoretical framework for the project (see below for details), supervising the social scientific methodologies (interviews, participatory action research) and developing the intermedia knowledge mobilization strategy for the project.

Co-Applicant dedicating **50% of her research time: Dr. Ruth Beer**, (Professor of Visual Art and Material Practice at Emily Carr University of Art and Design and a member of the Petrocultures Research Group) is an expert of the intersecting geographies of aboriginal trade routes, Coast Salish "grease trails," and proposed Alberta-B.C. oil pipeline. Her current SSHRC grant, *Trading Routes* (2013-17), links indigenous and non-indigenous ways of knowing by bringing participants together in acts of sharing and creating knowledge about our different relationships to this geography and petrochemical life, while providing opportunities for discussion of environmental and cultural sustainability. Beer brings expertise in interdisciplinary artistic research methodologies practice. She will play an important role as the B.C. research lead and curator for the Community Exhibits and Roundtables in BC in year 4. She will also co-curate the final exhibit at FAB Gallery, UofA.

Co-Applicant dedicating **40% of her research time: Lisa Moore** (Assistant Professor, Department of English, Memorial University of Newfoundland) has published four novels and several short story collections including the Man-Booker nominated petrocultural novel, *February* (2013). Moore's will serve as research lead in Newfoundland, focusing on the Churchill Falls power plan and the informal leadership of women during a labour strike that is now being remembered and put to use by women anti-fracking and anti-pipeline activists. Moore brings to the research team her expertise in literary research-creation and theories of the role of narrative and memory in the work women do communicating, teaching and transmitting knowledge and critical practices inter-generationally.

Co-Applicant dedicating **30% of his research time: Dr. Satoshi Ikeda** (Canada Research Chair, Political Sociology of Global Futures, Department of Sociology, Concordia University and Fellow of the Loyola College for Diversity and Sustainability) is examining the potential of social economies to create common wealth and democratic, egalitarian and sustainable alternatives to neoliberal globalization. He is actively engaging in the transition town movement in Montreal and food-related cooperatives at Concordia University. Ikeda's contribution to this project will be to research how the communicative, cooperative and organizational work women do to sustain households and expand autonomous social economies also produces enduring common wealth.

Co-Applicant dedicating **20%: Dr. Natalie Loveless**, (Assistant Professor, Contemporary Art and Design, Department of Art and Design, UofA) directs the Research-Creation and Social Justice CoLABoratory, currently working on the theme of Art and the Anthropocene. Her current research project investigates sites in Northern Alberta using research-creation methodologies to ask how *inhabiting* or *sensing* the Anthropocene might invite a different set of questions and responses to a problem so vast that Timothy Morton has called it a "hyperobject" (2013). Dr. Loveless has research creation expertise as an artist and curator. As director of the CoLAB she will fund 3 researchers, including a graduate student, to attend the opening meeting of *Feminist Energy Futures* in Edmonton and the initial research trip to Athabasca-Wabasca. Her CoLAB team will collaborate where synergies arise, and she will curate 2 Community Exhibits and co-curate the exhibit at FAB Gallery.

Co-Applicant dedicating **20% of her research time: Dr. Sara Dorow**, Department of Sociology and producer of *Mapping Life in Fort McMurray* researches socio-spatial aspects of mobility and migration, social reproduction (family, community, and labour), racialization, and gender. For the last decade, she has focused on the context of Fort McMurray and the Alberta oil/tar sands. Current research projects include "On the Move: Employment-Related Geographical Mobility in the Canadian Context" (2012-19), based at Memorial University, the Mapping Corporate Power project (2015-22) and Women's Lives, Fort McMurray, Post Fire (2016). Dorow brings with her long-standing research relationships, expert interview skills, and intimate knowledge of the landscape of Fort McMurray before and after the wildfires of 2016. She will help shape the Fort McMurray research activities.

**Collaborators: 1) Dr. Angele Alook** (40%) is a Cree sociologist from Wabasca, Alberta. Her research expertise includes the sociology of work, gender, women and environment, indigenous methodologies, traditional practices. Dr. Alook's key contributions to this research will include indigenous methodology, leading focus groups and interviews on traditional practices and facilitating the research team's relationships with indigenous communities in northern Alberta, particularly in her home community of Wabasca, Alberta. **2) Dr. Anne Winkler** (40%) is a cultural sociologist with the Alberta Ministry of Justice and Solicitor General. Her research expertise includes qualitative methodologies, especially participatory action research and intermedia knowledge mobilization. Dr. Winkler will contribute to the design and operationalization of the project's methodologies and her knowledge of museology and exhibition will be key to organizing the Community Exhibits and Roundtables in years 4 and 5. **3) Dr. Salvatore Cucchiara** (20%) is a political scientist with Alberta Energy and Utilities Board. Dr. Cucchiara will analyze government policy documents on energy transition and green economic development strategies. His participation will allow us to be in communication with Alberta Energy throughout the project, enabling the team to share findings with the provincial Ministry of Energy. This will create the conditions to impact planning and policy decisions. **4) Dr. Fay Fletcher**, (10%) Associate Dean, and **Dr. Patricia Makokis**, (10%) Indigenous Engagement Research Scholar, both from the Faculty of Extension at the UofA, will serve as Indigenous advisor-consultants. They bring to the project an 8-year research partnership and experience facilitating Indigenous and non-Indigenous (settler ally) relationships. As mentioned elsewhere, *Feminist Energy Futures* is not an 'Aboriginal' research project, but where the research takes us into Indigenous communities or invites in Indigenous participants, they will recommend if and when Indigenous ceremony and research methodologies should be incorporated.

**B. Description of Previous and Ongoing Research** (*We have only detailed the research expertise of the P.I., Dr. Wilson, and Dr. Mookerjea, as they will be the intellectual and managerial leads.*)

P.I.: **Dr. Sheena Wilson's** research on women's gendered relationships to oil builds on her long-time focus on how women writers and filmmakers disrupt official discourses around human and civil rights abuses, and women's lives more generally. Since 2010, her research has been breaking new ground in the discipline of energy humanities, as she investigates the ways women's voices and expertise have been depoliticized and silenced in official discourses, and how they have resisted by mobilizing creative alternatives. Publication highlights include "Oil Ethics" (2012), "Gendering Oil: Tracing Western Petrosexual Relations" (2014) being reprinted in John Hopkins' *The Energy Humanities Readers* (2017). Wilson is also a research-creation scholar. "Petro-Mama: Mothering in a Crude World," includes both a creative non-fiction short story and a film of the same name. Another key piece that foreshadows this project is "Gender" forthcoming in Fordham UP's *Fueling Culture: 101 Words for Energy and Environment*, which analyzes media representation of Chief Theresa Spence's hunger strike in late 2012 and the "Got Land?" activism of a number of young Indigenous

women in late 2013. Also forthcoming is her "Energy Imaginaries at the Impasse" chapter in *Materialism and the Critique of Energy* (2017), which outlines the need for feminist visions of the future. She is co-author of the collaboratively written monograph *After Oil* (2015), created by 30 Petrocultures researchers. Wilson also has made significant contributions to shaping the field of energy humanities, through her editing work. In 2012, she co-edited an open-access themed journal issue on oil and visual culture entitled *Sighting Oil*. She is also the principal editor of a 21-chapter collection, *Petrocultures, Oil, Politics, Culture* (McGill-Queen's UP, 2017). Her feminist resistance project, *Telling Truths* (2014), became a #1 best-selling creative nonfiction collection. It gives voice to women's difficult stories in much the same way that the PAR activities in this project will provide a platform to women in the environmental justice movement. The P.I. has the proven ability to carry out the proposed research, oversee the digital archiving, and ensure the dissemination of research outcomes to audiences within and beyond the academy.

**Co-Investigator:** *Dr. Sourayan Mookerjee*'s previous SSHRC funded research explored the video practices of Dalit women farmers in organizing and managing their agricultural and credit cooperatives as a climate change adaptation strategy in a drought stricken region of Andhra Pradesh, India. This peer reviewed and published research (in *Affinities*, in edited collections by Zed Press, Sage and Palgrave MacMillan) explored the ways these women responded to the marginalization and devaluation of their work and their expertise by inventing video mediated communication strategies to manage their cooperatives and teach other women how to practice organic biodiverse agriculture and delink from global chains of dependency and regain their autonomy. This research forms the ground work on which the intermedia knowledge mobilization strategies developed at the Intermedia Research Studio continues to take shape. Recent publications in the *Canadian Journal of Sociology* theorizes class and cultural politics in Fort McMurray. Ongoing research includes a book near completion, *Decolonial Theory of the Commons*, an intermedia theory-and-practice probe, *Toxic Media Ecologies*, and a study of subaltern protest against development dispossession resulting from the construction of coal fired thermal power plants in the Sundarbans in Bangladesh and India.

**C) Student Training:** Through their involvement in this research, all students will receive theoretical and methodological training in designing and carrying out cultural studies, social movement studies feminist studies, intermedia communication research and participatory action research, experience in carrying out in-depth case studies of social movement research and commoning practices, training in fieldwork preparation, logistical planning, research ethics, and developing research relationships with leaders and activists. This will include an opportunity to gain expertise in petrocultural studies, narrative and rhetorical analysis, social reproduction feminism, the sociology of globalization and petro-states, theories of the commons and social economies.

In addition, students will receive advanced training in researching social media, digital scraping and crawling, using NVivo, editing video and other image and written texts, and creating an archive stored in the open-access databases Media Toil, CWRC, and ERA. They will receive training in how to prepare research budgets and write grant applications. Student training in all of these areas will be both task/project based and dialogical. Moreover students will be given opportunities to report on this research to various publics and stakeholders, as well as to present at academic conferences.

The research team will mentor students to write for both scholarly purposes as well as for newspapers, magazines, and reports. Students will be taught how to disseminate knowledge, how to "get found and stay found" (open-access terms for tagging and driving traffic) as well as how to track altmetrics to measure impact. The ability to coordinate logistically complex projects and create web sites and web content and understand online publishing are all valuable skills in the 21st century.



Family name, Given name

Wilson, Sheena

### Funds Requested from SSHRC

For each budget year, estimate as accurately as possible the research costs that you are asking SSHRC to fund through a grant. For each Personnel costs category, enter the number of individuals to be hired and specify the total amount required. For each of the other categories, enter the total amount required.

Personnel costs	Year 1		Year 2		Year 3		Year 4		Year 5	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
<b>Student salaries and benefits/Stipends</b>										
Undergraduate										
Masters	1	12,450	1	12,883	1	13,209	1	13,605	1	14,013
Doctorate	1	26,100	1	26,883	1	27,690	1	28,521	1	29,377
<b>Non-student salaries and benefits/Stipends</b>										
Postdoctoral										
Other										
<b>Travel and subsistence costs</b>										
	Year 1		Year 2		Year 3		Year 4		Year 5	
<b>Applicant/Team member(s)</b>										
Canadian travel	15,540		19,730		15,520		9,380		9,380	
Foreign travel	0		2,220		4,440		4,440		4,440	
<b>Students</b>										
Canadian travel	0		0		0		1,180		0	
Foreign travel	0		0		4,440		0		4,440	
<b>Other expenses</b>										
Professional/Technical services	0		0		0		0		0	
Supplies	0		0		0		0		0	
<b>Non-disposable equipment</b>										
Computer hardware	1,970		0		0		0		0	
Other										
<b>Other expenses (specify)</b>										
PAR Focus Group Costs	12,080		18,320		7,740		10,020		13,360	
Fiming + Advertising	0		0		0		8,100		10,800	
Web, Photocopy, NVivo, Publish	5,160		200		2,200		2,200		4,200	
<b>Total</b>	<b>73,300</b>		<b>80,236</b>		<b>75,239</b>		<b>77,446</b>		<b>90,010</b>	

**Students Salaries:** 1 MA (6 hrs/wk) and 1 PhD (12 hrs/week). As per UofA's payscales: (MA: \$4,150) + (PhD: \$8,700) x 3 semesters + 3%COLA/yr. (GRAs integral to project aims. See Training.)

<b>Students Stipend: Year 1 + 3%/year</b>	Year 1	Year 2	Year 3	Year 4	Year 5
MA 6 hrs/week x 3 semesters	\$12,450	\$12,883	\$13,209	\$13,605	\$14,013
PhD 12hrs/ week x 3 semesters	\$26,100	\$26,883	\$27,690	\$28,521	\$29,377

### **Travel and Subsistence Costs:**

<b>Researcher National Travel</b>	Year 1	Year 2	Year 3	Year 4	Year 5
Research Trips & Dissemination Travel	\$13,180	\$17,370	\$13,160	\$7020	\$7020
Conference Travel (for 2 researchers)		\$2360	\$2360	\$2360	\$2360

*\*Rates: Canadian per-diem = \$60. Int. per diem = \$85. Hotels = \$150/night. Mileage = \$0.50/km.*

**Year 1 Research Travel: TOTAL: \$13,180. 1) Travel costs for 3 co-applicants (Beer, Ikeda, Moore) from across Canada to join team in Edmonton for start-up meeting: \$3465.**

**Breakdown: \$2250 Flights** (B.C \$600 + QC \$750 + NL \$900) + **\$900 Hotels** (2 nights x 3 people) + **\$315 Per Diem** (x 2 days minus meals provided.) Meeting followed by first research trip to Athabasca-Wabasca to conduct Participatory Action Research (PAR) events and interviews, to be replicated in other locales by smaller sub-teams over the following years. **Researcher Travel Costs: Athabasca-Wabasca: \$4140.** \$1500 Hotels [5 rooms (pairing up where possible) x 2 nights] + **\$990 Mileage** (660kms return x 3 cars) + **\$1650 Per Diem** (x11 researchers minus meals provided). (Note: \$3600 in KIAS funds for 3 CoLAB members to join these initial meetings—see Loveless in Research Team for details.) **Research Trip to Fort McMurray: \$2195.** P.I. and one co-app (Dorow) to conduct interviews and PAR. [Cost: \$515 Mileage (1,030km return) + \$1200 Hotels (4 nights x 2 people) + \$480 Per Diem (4 days x 2 researchers)]. **Research Travel to Saskatoon. \$3380.** P.I. and 1 co-app (Beer) to conduct interviews and run PAR. Flights \$1200 (\$600 x 2 researchers) + \$1200 Hotels (4 nightsx2) + \$480 Per Diem (4 daysx2) + \$500 car rental (to travel to farms & rural locales).

**Year 2 research travel: TOTAL: \$17,370. Research Trip to Kitimat. \$3380** (see Saskatoon trip above for breakdown). P.I. and 1 co-app Beer will interview and host PAR along the Enbridge Northern Gateway Pipeline Route. **Churchill Falls: \$2840.** Co-app Moore to conduct interviews and PAR. \$1500 Flights (St. John's to Churchill) + \$600 Hotels (4 nights) + \$240 Per Diem (4 days) + \$500 Car Rental (necessary for rural travel). **Burnaby (P.I. + Mookerjea. Beer lives there): \$3380.** **Researcher Travel Year Two 2<sup>nd</sup> Stage PAR:** Athabasca-Wabasca \$2195 (costs based on Ft. Mac in year one): P.I. +Mookerjea (+Alook who lives there); Fort McMurray (\$2195); Saskatoon (\$3380).

**Year 3 research travel: \$13,180. 2<sup>nd</sup> Stage Kitimat, Burnaby and Churchill Falls = \$3380 + \$3380+ \$2840** (see yr 2 breakdown). **Research Trip to St. John's, NL: \$3,580** to share and present early findings at Memorial and to St. John's community: P.I. + Mookerjea + Ikeda (travel paid with CRC funds) + Moore (who lives there). \$1800 Flights (900x 2 researchers) + \$1200 Hotel (4 nights x 2 people) + \$480 Per Diem (4 x 2 people) + Ground transport/taxis (\$100).

**Researcher Conference Travel: Year 1) N/A Year 2) National: \$2360** (e.g. Congress @ UBC in 2019): 2 researchers. \$500 Flight + \$300 Hotel (2 nights) + \$120 Per Diem (2 days) + \$60 Ground Travel/Taxis + \$200 Conference Fees = \$1180 x 2 researchers = \$2360. **Year 2) Intl. \$2,220** (1 researcher) \$1,000 Flight + \$600 Hotels (4 nights) + \$340 Intl. Per Diem (4 days) + \$60 Ground Travel/Taxis + \$200 Conference Fees. **Year 3) National: 2 researchers=\$2360** (see yr 1) + Intl. (bi-annual Petrocultures Conference, Scotland) x 2 researchers=\$4,440 (see yr 1). **Year 4 + 5) see year 3. Graduate Student Conference Travel: Yr 3) \$4,440.** It will be an exceptional opportunity for students to attend Petrocultures 2020 (UK). \$2,220 x 2 (See yr, 3 intl. travel above). **Yr 4) \$1180.**



1 PhD at Congress (see yr 2 researcher travel, national). **Yr 5) \$ 4440.** 2 students at Petrocultures.

**Website, \$1000** for initial website design; to be hosted by UofA, ensuring access in perpetuity. (Note: \$2000/yr in kind from P.I.'s faculty for domain name, tech support, and hosting during and after the project.) **NVIVO**, Qualitative data analysis software: **\$3960.** 1 subscription for 5 years is \$1320 x 3 licenses for P.I. and 2 RAs to install software on their laptops (paid in yr 1) **1 Mac Laptop: \$1800** needed for PAR training, editing, and tech work on site during research trips. **Backup hard drive: \$170** (year 1) (Note: \$3000/yr in kind for equipment, cameras, mics, editing software licenses, and space from the Intermedia Research Studio.) **Photocopying: \$1000** (\$200 x 5 years).

Other Costs	Year 1	Year 2	Year 3	Year 4	Year 5
PAR Costs	\$12,080	\$18,320	\$7,740	\$10020	\$13360
Filming + Advertising				\$8100	\$10800
Web design, copy costs, NVivo, publishing costs	\$1200 + \$3960	\$200	\$200	\$200	\$200
			\$2000	\$2000	\$4000

**Research Meetings Costs for Participatory Action Research. Year One: TOTAL: \$12,080.**

Edmonton Meeting Costs: \$820. \$520 hosting [\$15/breakfast, \$15/lunch, \$10 for coffee breaks (\$5 x 2--morning and afternoon) = \$40/person x 13 people (11 researchers + 2 students.) Hosting space provided by UofA. + \$300 Honoraria for 2 Indigenous Consultants. Athabasca-Wabasca Research Meetings (PAR): \$5,100. \$1000 for supplies (photo memory cards, photo paper, paints, brushes, exhibition and display supplies etc.) + \$3000 Honoraria (\$300 x 5 Athabasca + 5 Wabasca participants) + \$800 Hosting (\$40/person x 20 people [10 core team members (no students) and one of two Indigenous consultants) + 10 research participants] + \$300 Room Rentals. Fort McMurray Research Meetings: \$3080. \$1000 supplies + \$1500 Honoraria + \$280 Hosting [\$40/ person x 7 people (P.I + co-app Dorow + 5 research participants)] + \$300 Room Rentals. Saskatoon Research Meetings (P.I. + Beer): \$3080. Year Two: \$3080/trip x 3=\$18,320. 1<sup>st</sup> Stage PAR: \$9240 for 1)Kitimat, 2) Churchill Falls 3) Burnaby. 2<sup>nd</sup> Stage PAR: \$9080. Follow up trips necessary to continue developing PAR projects started by participants in year 1. Supplies in 2<sup>nd</sup> round of workshops down to \$400 from \$1000. Prices from year one adjusted accordingly. Athabasca-Wabasca: \$4120 [\$400 supplies + \$3000 Honoraria + \$420 (\$40 x 12 people: P.I. + Mookerjea + Alook (who lives there) + 10 research participants) + \$300 Room Rentals]. **Fort McMurray \$2480; Saskatoon \$2480. Year 3: 2<sup>nd</sup> Stage Workshops Kitimat, Burnaby, Churchill falls: \$2480 x 3 = \$7740.** (See year one prices minus \$600 in supplies for breakdown.)

**Public Events:** In years 4 & 5, we will host 7 public events (6 community events + finale show at FAB UAlberta in total: 3 in **Year Four, \$7020 + \$3000**, and 4 in **Year Five, \$9360 + \$4000**).

**Honoraria**, Indigenous elders at round tables: (\$300/event). Travel for 2 team members to host 6 community events (no travel for Edmonton event). \$750/Flight + \$300 Hotels (2 days)+\$120 Per Diem (2 days)=\$1170/person x2=\$2340. **Display Supplies: \$1000/event. Advertising: \$600/event** for postcards, posters, programs. **Roundtable filming for 7 events: Year 4: 3x \$2100=\$6300. Year 5: 4 events x \$2100=\$8400.** Breakdown: a 2 hr event requires 4 hrs labour including set-up/take-down; 1 hr of footage requires 5 hrs for basic editing (10 hrs). Labour costs: 14hrs x \$150/hr = \$2,100/events. Hiring local film crews lowers costs: eliminates travel expenses and day-rates for cameramen.

**Finalize publishing projects:** We anticipate some publication costs with open-access publishing, and editing and indexing for the three book projects. We've budgeted \$2000 in years 3 and 4, and \$4000 in year 5 when all publishing projects are being finalized. Additional funds will be raised through ASPP, FESRI—Energy CFI at UofA, and other institutional funding (KIAS, VP Research etc).



### Funds from Other Sources

You must include all other sources of funding for the proposed research. Indicate whether these funds have been confirmed or not. Where applicable, include (a) the partners' material contributions (e.g. cash and in-kind), and (b) funds you have requested from other sources for proposed research related to this application.

Full organization name Contribution type	Confirmed	Year 1 Year 5	Year 2	Year 3	Year 4
Intermedia Research Studies  In Kind	<input checked="" type="checkbox"/>	3,000	3,000	3,000	3,000
		3,000			
The Research-Creation and Social Justice CoLABoratory-Arts and the Anthropocene  Cash	<input checked="" type="checkbox"/>	3,600	0	0	0
		0			
University of Alberta  In Kind	<input checked="" type="checkbox"/>	2,000	2,000	2,000	2,000
		2,000			
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
	<input type="checkbox"/>				
<b>Total funds from other sources</b>		8,600	5,000	5,000	5,000
		5,000			