

Transmission Lines in Wildland Landscapes:
Gauging Visual Impact Among Casual Observers

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A thesis
submitted in partial fulfillment of the
requirements for the degree of

Master of Landscape Architecture

University of Washington

2012

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Program Authorized to Offer Degree:
Department of Landscape Architecture

University of Washington

Abstract

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Landscape assessments and visual impact analyses conducted for federal agency policy and planning purposes are performed by visual resource experts. Little input is gathered from members of the public, in whose interest these policies and planning measures are developed. While research has explored public perception of transmission lines in urban settings, such as the International Electric Transmission Perception Project conducted in the mid-1990s, little is known about how casual observers perceive transmission lines on wildland and rural landscapes. Working with rural and wildland landscapes, my work gauges impacts to the visual experience from high-voltage transmission lines. I ask how the number of transmission lines, their distance from the viewer, the design of the towers themselves, or other structures in the landscape influence the visual experience.

To assess these questions, I developed and conducted a web-based survey to evaluate participant response to, and preference for, photographs depicting a series of rural and wildland landscape images, most of which contained high-voltage transmission lines. Survey questions were formatted for both closed-ended (Likert scales) and open-ended written responses. Survey responses from two hundred thirty participants were recorded. Data were collected using the Google Docs application and analyzed using Microsoft Excel for the quantitative data and Atlas.ti for the qualitative data. For the latter, recurring words and phrases were used to gauge how participants perceive high-voltage transmission lines in wildland and rural landscapes. For at-a-glance ease of understanding, data were analyzed and organized using a combination of traditional graphics as well as colored gradient scales. Results indicated that most casual observers do find high-voltage transmission lines in rural and wildland landscapes disruptive and would prefer not to see transmission lines in these settings.

Though this work is not intended or expected to provide a definitive response to the question of visual perception of transmission lines among casual observers, trends identified can assist transmission line designers and federal land management agencies in the siting and mitigation processes.

Acknowledgements

I offer my thanks and appreciation to my parents, friends and classmates for all their support and encouragement over the years. I must especially thank Dr Penny Jennings Eckert for her professional and academic support and Dr Miles Munro, without whose technical help I would be writing a very different thesis. Eric, you know I couldn't have done this without your love and support.

Thank you.

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Chapter 1 : Introduction

Overview

In this chapter, I discuss my purpose for this thesis including my research questions, as well as provide an introduction to the literature on high-voltage transmission lines on federal lands in the United States. This chapter is organized into six sections. First, I describe my own personal interest in the subject and present my statement of purpose and outline my research questions. Second, I describe visual assessment research, next I describe electrical transmission infrastructure, fourth I provide an overview of federal lands, agencies and their regulation of aesthetics, followed by rural and wildland landscape types, and lastly a discussion of casual observers—who they are and their role in visual impact assessment.

As explained by Sherry Roche, the Visual Resource Program Lead of the Bureau of Land Management Wyoming State Office, “No longer are we dealing with an oil and gas well which can be painted, relocated and even [designed with a] low profile. Now we are faced with solar and wind development which are much larger and have potentially greater impacts to the visual resource and landscape quality. [In addition,] the public is becoming better informed on scenery and visual resources on public lands. They value...the wide open spaces with little to no significant cultural modifications and want to keep the landscape on public lands as is” (Roche, 2012).

Research Questions and Scope

As Sherry Roche alluded to, in recent years, public land management agencies have increased the rigor of visual impact analysis and mitigation efforts based on the skills and expertise of trained professionals, such as landscape architects and other resource specialists similarly trained. However, the perceptions of the public in the realm of visual resource policy development, especially as the demand for electrical energy transmission increases on federal lands largely goes unaccounted for. To that end, this thesis offers a starting point for photograph-based survey of the public that federal land managers might use going forward.

To achieve this, I established three research questions:

1. How do transmission lines affect the visual experience of the “casual observer”?
2. In the eye of the casual observer, at what point does the landscape cease to be scenic as a result of transmission line development?

3. Based on this pilot study, and understanding that the survey instrument I build cannot capture the casual observer's visual experience in its entirety, how can one design a better survey instrument to gauge visual effects on the casual observer?

This thesis offers a foothold for future research into how casual observers perceive transmission lines in the landscape and how those perceptions can be more effectively captured and assessed through surveys. I do not expect the work of this thesis to directly answer or provide conclusions regarding specific ideas that might influence transmission line siting or design, but rather offer a starting point from which a larger project could be launched. To that end, even while my interests lie with federal lands across the nation, I gathered and used only landscapes from the State of Washington in my pilot survey instrument. Similarly, given the time and budget constraints of a thesis project, I employed the snowball sample technique as disseminated through e-mail, due to its simple, inexpensive and self-perpetuating nature. Nonetheless, a pilot study like this can offer valuable insights both in terms of findings (content) and methodology for assessing the visual impacts of transmission lines in the view of the casual observer.

Background of Visual Assessment Research

As is obvious to anyone who has trudged to the top of a snowy ridge or simply strolled down a sandy beach, the experience of any landscape is multi-sensory. This thesis focuses on one particular aspect of this experience: the visual experience. I explore how the visual experience changes when high-voltage transmission lines are introduced to an otherwise wildland or rural setting.

Increasing demands for renewable and domestic energy sources is increasing demand for new high-voltage transmission lines, many of which are proposed to be constructed on federal lands (Weeks, 2010; US Department of Energy, 2012). As of 2012, 36 of the 40 high-voltage transmission lines currently undergoing the permitting process to cross federally managed lands are located in the 11 states of the western United States (US Department of Energy, 2012). These include Washington, Oregon, California, Idaho, Montana, Nevada, Utah, Arizona, New Mexico, Wyoming and Colorado. Federal lands within these states are home to some of the nation's most revered undeveloped landscapes including the red rock desert of the southwest and the forested mountains along the west coast, as well as lesser-known expanses of prairie, high desert and many types of forests, all of which can be disrupted by human influence, including the introduction of transmission lines. Siting, permitting and construction of transmission lines is nothing new for the federal lands system, but between environmental regulations

in place to protect non-resources and a better informed and more involved public population, the effects on visual resources are becoming increasingly contentious.

At the heart of this project is the concept that while visual resource specialists are under pressure to keep transmission lines and other energy-related infrastructure out of the view of visitors to federal lands—including those simply driving through—these specialists do not have a usable framework on which to shape the policies and practices that integrate the perception that casual observers have of these large-scale energy infrastructures.

One of the primary challenges of this thesis has been the lack of recently published literature that specifically examines perception of visual impact among casual observers. A great deal of effort and discussion on the topic of visual impact analysis, including that on federal lands, occurred in the 1970s, when the National Environmental Policy Act of 1969 (NEPA) was a new law and agencies were grappling with its implications, and nuclear technology was being touted as the energy source of the future. For example, when NEPA was passed, those wishing to comply with the law's requirement for an environmental impact statement were not given an explicit set of resources to be studied and addressed, nor were specific requirements made for documentation.

As the decades passed and agencies and project proponents became accustomed to the requirements of NEPA, the two major federal land management agencies, the Bureau of Land Management and the US Forest Service, established policies and protocols for visual impact analysis, and critical discussion tapered¹. For example, one of the most commonly referenced documents, *Measuring Landscape Esthetics: The Scenic Beauty Estimation Method*, a US Forest Service Research Paper authored by psychologist Terry Daniel and economist Ron Boster, was published in 1976, when logging on National Forest lands was peaking, but little was published after 1985. Once policies and protocols designed to protect the visual resource were established, it seems that concerns over visual impacts diminished. As Smardon and Karp (1993) point out, “procedurally, visual considerations as treated in EISs have rarely met the requirements as stated in NEPA and Council on Environmental Quality (CEQ) regulations. Thus, the treatment of visual and aesthetic consideration has not advanced” (p. 191). In the years since the decline of logging on federal lands, as well as land management agency budgets, paired with

¹ The National Park Service also manages a great deal of federal land, but for significantly different purposes than the BLM or USFS. The NPS manages land for cultural, historical and scenic significance, and commercial-scale development is rarely allowed on NPS land, unlike BLM or National Forest lands, on which extractive resource development and transportation may be sited, which create a wholly different visual impact on the landscape.

environmental policy and management stabilization and advances in digital technology, attention seems to have turned to other areas of visual impact analysis, such as digital mapping and the practice and theory behind analyzing visual impacts using geographic information systems, or GIS. Little attention has been granted to the development of a policy that fundamentally integrates the concerns of the American public over scenic degradation as a result of development of federally-managed lands. It is my aim in this thesis to offer some initial research to help move toward and renew efforts to understand the visual assessment and impact of certain built elements—and transmission lines in particular—on federal wildlands, among casual observers. In this next section, I will examine and explain exactly what these elements are and then how they interact with our system of federal lands.

Electrical Transmission Infrastructure

The term “transmission line” is a catch-all term for the infrastructure that is involved in the transportation, or transmission, of high-voltage electrical energy from one point to another. These points typically consist of the point of electric generation and sub-stations, where the electric energy is pumped up for long-distance transmission or down when the electricity is about to enter the local distribution system. Together, these elements are commonly referred to as the “grid.”

The high-voltage transmission system we see in the United States today is widely acknowledged as being outdated, with problems arising from aging power equipment, such as the towers and conductors themselves which suffer higher failure rates and obsolete system layouts that have not kept pace with urban and suburban development (Willis, et. al., 2000). Some of the components have been in use since the 1920s and the most recent pieces were added some 40 years ago (Janardhan and Fesmire, 2010; Biello, 2010). Similarly, many of the transmission lines in the Pacific Northwest were built post-World War II, and carry energy generated by the region’s numerous hydroelectric facilities. Until recently, a few nuclear energy facilities also provided energy to the northwest regional grid. Regulatory uncertainty in the national electrical energy market prompted a lull in construction of transmission lines through the 1980s and very few new transmission lines have been constructed since deregulation of the energy market in 1992 (Biello, 2010; Tikalsky and Willyard, 2007). However, the electrical energy system in the western states is facing a rapidly changing and diversifying field of sources as wind and solar energy generation facilities are being constructed and coming online and biomass and geothermal facilities are gaining momentum.

The vast majority of electrical energy transmission occurs aboveground in the United States, through a system of towers which support a series of conductive wires or conductors. Most of the transmission lines in the United States are designed for alternating current, which typically utilizes three conductors, so transmission towers are typically designed to hold conductors in multiples of three. High-voltage transmission line towers are typically categorized into three style types: lattice, monopole and H-frame, as diagrammed in Figure 1-1.

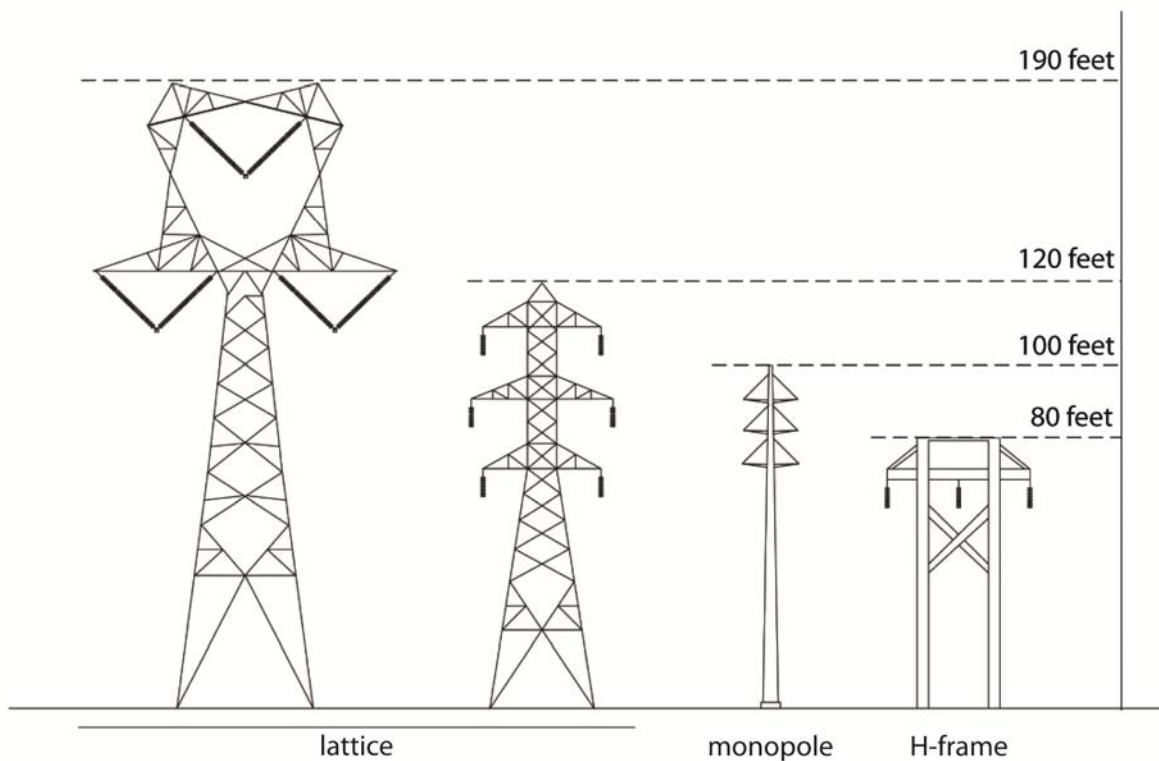


Figure 1-1. A sample of common transmission tower styles. From left to right, two common lattice tower styles, a monopole tower and an H-frame tower and their approximate heights (tower heights can vary greatly depending on material, conditions, and placement along the transmission line).

Wooden transmission towers have a longer history and are often built with two tall vertical pieces joined by a horizontal crosspiece, resembling an H, and hence its name, H-frame. The wooden poles from which they are constructed limits their height to approximately 100 feet and circuit capacity to 230 kilovolts (kV), so they are not widely used for long distance transmission lines but are still occasionally constructed, especially given recent advances in laminated wood beam technology (International Finance Corporation, 2007). Monopoles or single pole structures are more commonly found in urban settings due to their contemporary appearance and smaller footprint, but they are also found in rural

areas. Specific lattice tower designs vary greatly worldwide, however most in the United States are free-standing and carry one or two circuits (i.e.: three or six conductors), though some can carry as many as four circuits (12 conductors). Both monopoles and lattice towers may be constructed of metal (monopoles may also be constructed of wood or concrete), in which case the surface can be treated to reduce their visual impact on the landscape by changing their color or reducing specular reflection, or glare (Molburg, Kavicky and Picel, 2007). Transmission lines vary in their circuit capacity, but may carry 115 to 765kV. Power lines carrying 69 or 115kV are referred to as sub-transmission lines, and lines carrying less than 69kV are called distribution lines. Due to their stature and relative infrequency across vast expanses of federal lands, neither sub-transmission or distribution lines are addressed in this thesis, nor are any other aerial utilities, such as telephone poles or lines. As noted earlier, in this thesis, I am particularly concerned with people's reactions to transmission lines in federal lands, and not urban spaces where many other built structures compete for visual attention.

Federal Lands, Agencies and the Regulation of Aesthetics

Federal lands² are held in trust by the United States government and are managed by a few agencies. The two agencies that manage the largest portions of federal lands are the United States Department of the Interior's Bureau of Land Management (BLM) and the United States Department of Agriculture Forest Service (USFS). The BLM manages approximately 247,860,000 acres as the National System of Public Lands (BLM, 2011). The USFS manages approximately 193,000,000 acres as National Forests and Grasslands (USFS, 2009). Other federal land management agencies include the USDI National Park Service (NPS), the United States Department of Defense Army Corps of Engineers (USACE) and the USDI Fish and Wildlife Service (USFWS).

In much the same way the land management agencies manage ecological, hydrological, cultural and recreational resources, each of these agencies, with the exception of the USFWS, manages their lands to protect visual resources, or scenery. That is, they survey, inventory and study these resources and establish resource management plans for the land units within the agency (field offices for BLM, ranger districts for USFS, and parks for NPS). With regards to the management of visual resources³, the management of BLM lands are mandated by the Federal Land Policy and Management Act of 1976 (FLPMA, 43 U.S.C. § 1714) and USFS lands are governed by the National Forest Management Act of 1976

² The term "federal lands" is used to clarify ownership, since federal lands are also sometimes referred to as public lands, though this term could refer to lands held by other levels of government, such as states or counties.

³ At the time these laws were enacted, "scenery" or "aesthetic resources" were more commonly used than the contemporary "visual resource." These terms are equivalent.

(NFMA, 36 U.S.C. § 219.5). Federal agencies that manage visual resource goals but do not manage any land *per se* are the United States Department of Transportation's Federal Highway Administration (FHWA) and the USDA Natural Resource Conservation Service (NRCS). Next I will give a brief history of the federal laws that establish protection for the visual resource.

The National Environmental Policy Act

The National Environmental Policy Act of 1969 (NEPA, 42 U.S.C. § 4321 et seq.) is the most comprehensive piece of legislation that directs consideration of visual resources (42 U.S.C. § 4331 (b); Smardon and Karp, 1993; Eaton, 1988). While NEPA established protections for visual resources (referred to as "aesthetic effects" in the text of the Act), its concern is not only for ecological systems such as plants and animals, air and water quality, but also impacts to the "human environment" such as archaeological resources, socioeconomic impacts, public services and recreation (CEQ, 2007). If a project is proposed that may affect federal lands or require federal agency involvement, or meets other criteria, each of the resources listed above and others must be studied and the potential impacts of the project upon them analyzed in an environmental impact statement. In recent years, visual resources have become a contentious topic for large scale developments on federal lands. This is due in large part to increased demand for renewable and domestic energy sources, many of which originate on federal land, and BLM land in particular (personal communication S. Roche, April 12, 2012).

Landscape Assessments by Federal Agencies

The BLM and USFS have the most comprehensive visual resource management (VRM) systems of all of the federal land management agencies. Work towards what would become the BLM's VRM system began in 1965 with scenic quality components and was steadily developed through the 1970s, and which is today called simply, Visual Resource Management. The current system has been in place since 1980, and "involves inventorying scenic values and establishing management objectives for those values through the resource management planning process, and then evaluating proposed activities to determine whether they conform with the management objectives." (Smardon and Karp, 1993, BLM 2012). When a project is proposed for BLM or USFS lands, visual analysts identify the visual impacts that the project would have, using distance zone analyses, and computer generated visual simulations. These tools are then used to make "decisions about utilization of the publicly owned land areas, decisions concerned with permitting activities to take place on the public landscape, and decisions about whether publically financed activities should take place on private lands" (Smardon, 1986, p. 143). It is

noteworthy that these analyses do not typically seek input from the public on their assessment of the visual impacts of the project. My thesis is an effort to offer an example and a possible methodology to consider for gaining public input in transmission line projects.

Rural and Wildland Landscape Types

While my research interest is in the landscapes managed by federal land management agencies nationwide, for the purpose of practicality, the scope of my thesis research was limited to Washington's two most basic landscape types: forested and arid. Overlaid, the land use type rural was included to determine if casual observers reacted to the presence of transmission lines on more obviously disturbed landscapes.

Much of eastern Washington is well known to be drier than its western counterpart, with warmer summers and cooler winters. With this climate comes smaller plant species and longer growing seasons, prompting extensive agriculture systems throughout eastern Washington. In addition to the arid uplands of eastern Washington, this landscape is home to the Columbia River, which flows south from eastern British Columbia, Canada through Washington and then west towards the Pacific Ocean, forming Washington's state line with Oregon. In Washington alone are seven dams which provide hydroelectric power locally and regionally, as well as a rapidly growing wind energy industry in southeastern Washington. All of these energy generation facilities require high voltage transmission lines to carry the energy from its source to the high demand market centers westward along the coast, southwards into Oregon and California and eastward into Boise, Idaho.

The sparse vegetation of these arid landscapes make transmission line towers visible from more locations, as the only screening comes from landform or structures, although distance and atmospheric haze may help to obscure transmission towers in these vast landscapes. In contrast, western Washington is more temperate and receives a greater annual precipitation than eastern Washington, creating a vegetation regime of tall trees and a dense understory.

I have included rural lands as part of my research because they are indeed what many people would consider "wild" inasmuch as they are firmly outside of what is considered "city" or "urban" and while they are actually highly disturbed, they often retain a pastoral quality⁴. For the purposes of my thesis,

⁴ In this context, the word "rural" is meant to describe the *appearance* of a landscape only, not its land use designation or agricultural productivity, necessarily (Schauman, 1986).

rural lands may be actively farmed, or they may be forested or arid expanses, though the term “rural” indicates some level of management, as opposed to “wildland,” as explained below. Furthermore, BLM lands that fall into the “checkerboard” land ownership pattern as well as other parcels of federal land that occur within developed areas tend to be influenced by rural developments and land uses (Coggins, et. al., 2007).

What is wildland?

My academic interest lies in visual impacts to the landscapes of federal lands, but since the appearance of landscape does not recognize ownership, my research questions better relate to the broader idea of wildland, whether it be publically or privately owned. So I want to take a moment to define “wildland” as I am using it in the context of this thesis.

The term “wildland” could be easily confused with “wilderness,” which, especially among federal land managers, has a specific legal meaning, and is defined as land which cannot be developed, and which is “untrammelled by man, where man himself is a visitor and does not remain” (U.S. Wilderness Act of 1964, 16 U.S.C. §1131[c]). Such areas are managed by the BLM, USFS, NPS and USFWS, dependant mainly on geographic proximity to other federal lands. These so called Wilderness Areas are specific areas that meet certain criteria for size and past disturbance, and are managed and controlled for specific landscape services such as recreation, solitude and ecological or cultural benefit (16 U.S.C. § 1133(c)).

“Wildland” has no such legal definition and may be used to describe undeveloped land generally, whether managed by the USFS, BLM or other federal land management agency. In their discussion of the definition of wildland, in terms of aesthetics and ecological services as well as land ownership and management, Chenoweth and Gobster (1986) propose a definition for the purposes of visual analysis:

Wildlands are those landscapes in which there are few if any permanent human inhabitants and where the land remains, is managed, or has been restored such that natural features and processes substantially dominate over man-made development or extractive or consumptive activities (page 83).

Casual Observers

At the heart of this thesis are the perceptions of the casual observer. This indirectly stems from a report published by the Bonneville Power Administration (BPA) in 1976 plainly states that its research team consisted of trained experts who knew where to look for the transmission lines they were seeking in wildland landscapes, which in some cases were over 20 miles away. Other perception studies focus on how residents of a neighborhood feel about proposed or existing transmission lines near their home in urban and suburban settings (International Electric Transmission Perception Project [IETPP], 1996). Empirical research has been conducted on how casual observers perceive a variety of landscape types, as well as how they perceive transmission lines in urban settings, but very little attention has been paid to how casual observers detect or perceive transmission lines in wildland landscapes. I would argue that this is likely due to the difficulty in quantifying perception as it is highly variable between groups and even individuals. While federal planning and project permitting policies typically require at least one public comment period, these comment periods only apply to a single proposed project at any time, and do not seek comment on overall attitudes towards development on public lands. The public input during these comment periods are by default relegated to a reactionary role, and is thus not very influential on project design, and even less so on public land management policy.

Sherry Roche, a BLM employee, stated that no comprehensive studies have been conducted on how the public perceives high voltage transmission lines on federal lands (personal communication S. Roche, April 12, 2012). The closest such study was the 1976 BPA report mentioned earlier, developed by the landscape architecture firm Jones and Jones, titled *Measuring the Visibility of High Voltage Transmission Facilities in the Pacific Northwest*. This report was designed to identify “zones of transmission line visual influence [which would] assist BPA planners in determining study area boundaries” (BPA, 1976, p. 1). The research consisted of observations made by architects and landscape architects examining the rural and wildland landscapes of western Washington and Oregon for known transmission lines (BPA, 1976). By their own admission, the professionally trained authors of the BPA report knew exactly what they were looking for and where to look for it (BPA, 1976), which does not speak to how the public perceives the same transmission lines, much less how the transmission lines affect their visual experience of these lands.

Daniel and Boster (1976) manage to simultaneously build the case for public involvement in visual resource management and hand that job off to trained experts, which I argue, is precisely the problem: “For the general public, the most immediate and direct impact of land management is visual.... Partly in response to this public concern, numerous techniques purporting to inventory and/or measure scenic quality have been developed.” (Daniel and Boster, 1976, p. 4).

As described on page 10, the public are invited to comment on proposed projects as part of the NEPA process, and though NEPA applies to management plans for federal lands as well as physical developments, input from the public at the ground level for policy development is rarely, if ever, collected. This is the crux of my research questions: that the perceptions of the casual observer are believed to be understood by experts and federal land managers, but in reality they require more focused research to be more properly understood. This is especially important if land managers are to continue to develop policy and perform visual impact studies on behalf of the public.

Summary

Public lands are a valuable national resource on which many potentially conflicting demands are being made. As new electrical energy infrastructure is being proposed and constructed, the visual resource has risen in prominence in the eyes of the American public. Determining how the public perceives this infrastructure, and transmission lines in particular, can help the BLM and USFS manage the visual resource for the better enjoyment of visitors to federal lands.

Chapter 2 : Literature Review

Overview

In this chapter, I review the existing literature on the topics of transmission line perception generally, the visual impact of transmission lines, the visual and aesthetic experience of wildlands, public perception of landscape quality, aesthetics in public policy, casual observers and their role in policy, and the role of surveys in landscape assessment.

Perception of Transmission Lines

Understanding public opinion regarding the appearance of transmission lines *generally* is essential to the development of a framework that would accurately integrate the public's perception of transmission lines *visually*, into federal land management policy.

The majority of the research performed to date on public perception of transmission lines has been conducted among residents of urban and suburban areas and owners of private rural properties, and does not focus on visual impacts specifically, but rather attempts to capture any effect the observers report, such as concerns over adverse health effects, negative impacts to property value, and decreased neighborhood attractiveness (IETPP, 1996; Priestley, 1983). A 1972 survey, the first of its kind regarding public opinion on the aesthetics of transmission lines, found that two-thirds of survey respondents preferred a steel monopole tower design over a lattice tower design, so much so that they would consider taking action to oppose lattice style towers were they proposed for their neighborhood (Tikalsky and Willyard, 2007). Although additional studies in the US and Canada showed that only 12 percent of survey participants “found the appearance of transmission lines particularly unattractive or bothersome” the electrical utilities industry adopted the stance that the people did not want to “see” transmission lines (Tikalsky and Willyard, 2007; p. 30).

A literature review in 1983 by Thomas Priestley highlighted the problem that “vague public fears about health, safety and other environmental aspects of the transmission system often get attached to the appearance issues” (Priestley, 1983, p. 2-6). As the regulatory environment created uncertainty for new transmission lines, less attention was paid and less funding was dedicated to study any of these issues, until the International Electric Transmission Perception Project found that “public evaluations of measures to reduce a structure's visual impact—for example, tower type, color and treatment of the

right of way—were not always consistent with the philosophies driving the design professionals who recommended them” (Tikalsky and Willyard, 2007; p. 31).

In its report, “Perception of Transmission Lines” the ITEPP cites the “principles for the siting, design, and environmental integration of transmission facilities [that] were developed 20 or 30 years ago” and proposed to “develop and apply a scientifically valid, standardized methodology for research on public perceptions of new or upgraded lines.” (ITEPP 1996, p. xiv) Indeed, most of the recent literature on the topic of transmission lines and visual impact focuses on digital modeling and visual simulation.

Visual Impact of Transmission Lines

As described above, the electrical service industry has determined that the public does not wish to see transmission lines, but it must be recognized that there are considerations that often supersede or outweigh visual impacts, often relating directly or indirectly to cost of construction and/or maintenance, but also include safety and access; biologically sensitive areas such as endangered species habitat or wetlands; or culturally sensitive areas such as historic sites.

The visual impacts of transmission lines may refer to any or all of three basic landscape changes: the physical structures themselves, which may include glare from metal surfaces on both the towers and the conductors; landform and vegetation modifications, such as surface grading for tower foundation construction and access roads, clearing of trees for safety corridors, and construction and maintenance of access roads, which may require grading and vegetation clearing as the transmission line corridor itself, with just as much visual impact (Priestley, 1983). These types of impacts are demonstrated in Figure 2-1.

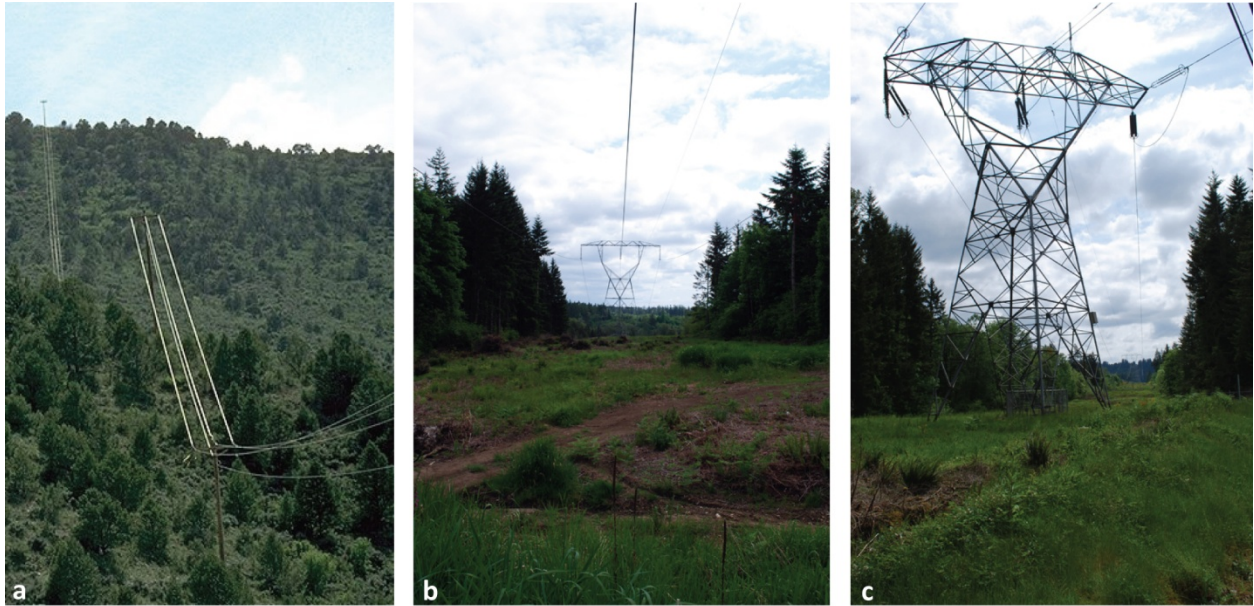


Figure 2-1. Visual impacts from transmission lines These include (a) conductor glare, (b) vegetation removal and access roads, and (c) the size of the structures. (Photo sources: (a) BLM VRM website, (b) and (c) by author).

The idea of burying high-voltage transmission lines is frequently raised among casual observers in regards to specific projects. While this is technically possible and does occasionally occur for short distances, it is simply too expensive to safely bury high-voltage transmission lines over the long distances required to move the energy from its point of generation to the market where it will be consumed. Furthermore, burying these lines is not completely free of visual impacts, since any large vegetation above the buried line would need to be removed and kept clear and access roads would be required, similar to what is done for buried pipelines of a similar scale, as illustrated in Figure 2-2.



Figure 2-2. Pipeline corridor. This high-pressure natural gas pipeline corridor demonstrates conditions similar to those that would be required by a buried transmission line (photo by author).

Visual and Aesthetic Experience of Wildlands

As discussed on page 9, wildlands have traditionally and historically captivated the imagination of the American public. In wildlands we have found adventure, history and solace and we have cherished them to the extent of legislating their continued existence for future generations. It is safe to argue that, for many, such landscapes have meaning.

Zube, Sell and Taylor (1982), examine the research that has gone into the meaning of the landscape, “ranging from psychobiological and evolutionary conceptualizations to emphasis on the effects of culture and personality” (p. 7). A last catch-all category of landscape studies revolves around sense of place and visual blight, rather than “identification of specific high quality elements in the landscape, but

the understanding of the experience of interacting with the landscape and its importance to people” (p. 8).

As well as being multi-sensory, the complete environmental landscape experience concerns emotional, cultural, romantic, and even economic factors. When one looks at or even reads about a natural landscape scene it is easy to imagine one’s self or others being in that landscape, such as western pioneers, native tribes or farmers settling the plains. Vining and Stevens (1986) refer to these as “intangible commodities” which they argue, can be further divided into “symbolic” and “aesthetic” classes, though the two may certainly overlap (p. 168). Vining and Stevens continue, the aesthetic values are based on visual merit, and are “linked to the experience of a particular landscape at a specific time and therefore involve a more direct interaction between a person and particular landscape features” (p. 168) .

Arnold Berleant highlights the extraction of natural resources from wildlands, stating that “Most wilderness areas are not primeval nature but regions that reflect the earlier and ongoing consequences of human action in the form of land clearing, erosion, strip-mining, deforestation, acid rain, modifications of the surface of the land and in the distribution of the water, alterations of climate induced by the vast expanses of paved surfaces and urbanized areas, introduced species of flora and fauna, and now the desiccation of the ozone layer, from whose consequences in global warming and increased solar radiation no area of the planet is immune” (Berleant, 1992, p. 3). This emphasizes what casual observers think of as “wilderness” whether it be truly “untrammelled by man” or if it may also include managed, even cultivated landscapes that still fulfill an aesthetic need among urban dwellers.

Eaton describes the “frantic effort to quantify [aesthetic amenities]” by environmental planners including surveys of hikers and “extremely complicated applications of sophisticated statistical methods and models (such as use of linear regression techniques to determine which factors – trees, water, hills – contribute to individual’s preferences).” (Eaton, 1988. p. 139)

Landscape “likability,” as discussed by Nasar (1998) again, in the context of urban landscapes, though I believe much of his argument can also be applied to wildland landscapes, hinges on a visceral, emotional attachment to a landscape, and that “appearance and meaning are not separate from function, but are central to it.” (1998, p. 3)

Visual Impact: Public Perception of Landscape Quality

Past studies as well as my own intuition indicate that the people may have a hard time teasing visual quality apart from other aspects of landscape quality, both seen and unseen. For instance, a person driving to an old family property subconsciously associates elements of their visual experience with memories of that space, either positively or negatively. This phenomenon was evident in the results of the survey I conducted, as many participants reminisced about road trips through desert landscapes, forests they knew in their childhood, or the family farm. This is also evident in Eaton's (1988) work which highlights the influence of perception in landscape assessment, such as a snowy scene reminding an individual of childhood snowball fights and warming up by the fire afterwards (Eaton, 1988, p. 141).

Eaton also delves into a discussion of monetary value of aesthetics in landscape, suggesting that aesthetic value could be quantified monetarily, "[h]ow much are you willing to *pay* to hike in a given area or canoe on a green river? How much office space will you sacrifice if you can have a 'room with a view'?....[Unfortunately, v]acationing in a wild river region or having an office on the west side of a building may be a status symbol, so one's willingness to spend money or space for it may have nothing to do with aesthetic value. A parent on welfare may have no money to spend visiting scenic areas, but clearly that does not prove lack of aesthetic concern or sensitivity."⁵ (Eaton, 1988, p. 140) Or further, what about people who care intensely for the aesthetics of an area, even if they rarely, or even never see it, but simply know that it is there?

From a more pragmatic angle, in a research paper written for the USFS, Arthur Magill conducted photograph-based surveys among casual observers on a wide variety of natural wildland landscapes and wildland management techniques and developments, from forest thinning to recreation to a satellite dish installation (1990). He utilized slide projection to identify visual thresholds among casual observers, seeing what types of landscape features or management techniques the participants noticed, liked or disliked, in an attempt to identify thresholds of detection, recognition and reaction thresholds among casual observers, who, as he described, "may use different criteria to evaluate landscapes and management than do trained land managers" (p. ii). Overall, Magill's work found that few of the respondents were able to identify what trained experts would call "visual impacts," indicating that

⁵ I mention the economic argument because several of my survey respondents mused over or questioned outright the necessity of designing transmission lines that are carried by towers aboveground, rather than burying transmission lines so as to avoid the negative affect they have on the scenery, and the simple answer is that transmission line burial is extraordinarily expensive, and so currently, scenery is typically sacrificed in favor of cost savings.

indeed, casual observers are affected differently than trained professionals when presented with development in or management of wildland landscapes.

Visual Impact: Aesthetics in Public Policy

As discussed on page 7, legislation of the 1970s, including NEPA, FLPMA and NFMA required that federal land management agencies take visual impacts to the environment into consideration for the benefit of all Americans and visitors to America's federal lands.

The need for visual resource systems in public policy "can be traced to certain public's concern with aesthetic and environmental issues related to specific land management activities, for example, wilderness designation, strip mining, timber harvesting practices, highway funding and construction, park maintenance and so forth." (Smardon, 1986, p. 143)

Casual Observers and Trained Experts

Many references in the literature regard the lack of integration of the perception of the casual observer or non-expert⁶ on the aesthetics of transmission lines and on landscape quality generally. Importantly, multiple landscape theorists have acknowledged the expert/non-expert dichotomy in landscape visual analysis. Zube, Sell and Taylor identify expert and non-experts in their 1982 article "Landscape Perception: Research, Application and Theory."

Landscape perception and assessment research has engaged the interests of individuals from an array of disciplines and professions including: forestry, geography, landscape architecture, psychology, environmental studies and recreation. Each of these professions and disciplines has brought a different set of methods, constructs and theoretical orientations to the research endeavor, generating a seemingly diffuse collection of studies and findings in the absence of an integrating theoretical structure.
(p. 2)

It is the expertise of these practitioners on which visual resource protection legislation has thus far been based (Zube, Sell and Taylor, 1982). This approach relies on trained professionals who are presumably "capable of objectively analyzing scenic beauty and translating landscape qualities into formulas that can be used in design" (p. 6). The expert approach is further divided into two camps, one based in fine arts and the other in ecological integrity (Zube, Sell and Taylor, 1982).

⁶ The literature on landscape analysis theory uses the term "non-expert," while the regulatory realm uses the term "casual observer" to describe a member of the general population who is not trained in landscape visual analysis. I use the term most applicable to the topic being discussed, but note that they are synonymous.

In contrast, the judgment of a non-expert, or casual observer, comes from the stimulus of the environment, of which the landscape is a part, and the response of the non-expert individual, and which requires no cognitive processing on the part of this individual (Zube, Sell and Taylor, 1982). It is this user group that is the focus of this thesis project, in that federal legislation and regulations regarding visual resource protection has historically been based on the professional opinions of the experts, who may not share the more emotional reaction to landscape disturbance as casual observers.

“...[I]mportant distinction between the objective visibility versus the extent to which an environmental feature is noticed by viewers” (IETPP, 1996, p. 43). Though he was examining urban landscapes exclusively, Lynch argued that both expert and non-expert input should be sought when analyzing landscapes, and that identifying overlaps among the results must be further explored in order to provide “a very applicable conceptual framework for the structuring of an inventory and analysis of the [land]scape” (Smardon, Costello and Eggink, 1986, p. 120).

Casual Observers in Public Policy

Relating directly and strongly to my research questions, Priestley (1983) and Eaton (1988) both mention, with some regret, that very little empirical research has been done “to test [the professionals’ ideas about landscape aesthetics] against nonprofessionals’ landscape evaluations.” (Priestley, 1983, p. 2-2) This is especially true and remiss when public policy is being developed and project decisions are being made by planners who are in essence forced to “make aesthetic evaluations” without the assistance of theoretical aesthetics or the public (Eaton, 1988, p. 139).

Mollie Ridout (1988) also points out that from a practical level, “[u]nlike policies that are concerned with physical objects, policy to protect the visual quality of the landscape concerns what some decision makers consider to be “intangible.” Indeed it is my own professional experience that decision makers frequently regard this resource as too subjective for regulation or management. They may feel that regulation of visual quality could give rise to undue litigation, that it has already been taken care of or a matter of taste, or that its proper consideration requires no special attention” (p. 435).

It is clear that casual observers ought to be brought into the conversation, but which casual observers do we mean? We must consider the values of a spectrum of casual observers. “That is, should only the people who use a trail regularly be surveyed? Only people trained in design? Local residents? Some campers are distressed if they encounter more than one other party in a day; others like to see other people. Should both groups have equal say about the development of wilderness recreation areas”

(Eaton, 1988, p. 140). This very question could encompass a life's work or more, but it ought to be kept in the minds of federal land managers.

When landscape surveys are conducted, agreement on precise moments of “beauty” or “ugly” are rarely agreed upon, and in these instances, public policy makers must determine whether or not all opinions are equal (Eaton, 1988). “Should only the people who use a trail regularly be surveyed? Only people trained in design? Local residents? Some campers are distressed if they encounter more than one other party in a day; others like to see other people. Should both groups have equal say about the development of wilderness recreation areas?” (Eaton, 1988, p. 140). Though beyond the scope of this thesis directly, the point here is that multiple—and potentially conflicting—values, ideals and desires for management will likely come from seeking the perspective of the casual observer, though it is nonetheless important to do so.

Surveys in Landscape Assessment

While the most well-known landscape surveys are arguably those of Kevin Lynch and the Kaplans' landscape preference surveys, numerous other surveys have been conducted to determine visual thresholds of casual observers on landscape management practices, with varying results. It is common sense to think that once a person is asked to pay attention to transmission lines in the landscape, that they would then easily focus on transmission lines thereafter, even if they might otherwise have noticed some other aspect of the landscape first.

For several decades, surveys and questionnaires have been used to gauge various landscape qualities including scenic beauty (Daniel and Boster, 1976), perception of vegetation management practices (Silvennoinen, et al, 2010), and landscape preference (Kaplan, Kaplan and Brown, 1989). Surveys have also been conducted specifically regarding perception of transmission lines, though these are not necessarily based on the visual qualities of transmission lines, as discussed in Chapter 3 (IETPP, 1996; Priestley, 1984). Of the specific landscape surveys reviewed, most were administered in person using printed photographs (Silvennoinen, et al, 2010) or slides projections (Daniel and Boster, 1976).

The strengths of surveys conducted using printed photographs lies in their inherent fidelity to the original as developed by the surveyor. That is, the survey respondents are seeing exactly what the survey developer designed, the same colors, the same dimensions, the same viewing time, whereas a self-administered internet-based survey may be viewed by the respondent on a smaller or larger screen, or with skewed colors than those intended by the survey developer.

The trade-off for richer data to be collected through hardcopy photograph surveys and personal interviews is a significant investment of time, including locating and contacting the target population, setting up and conducting the survey or interview sessions. Personal interviews may yield more in-depth or detailed responses than questionnaires which encourage by their nature—though are not limited to—briefer answers, as it is easier for most people to communicate orally than through writing. An interviewer has the opportunity to conduct follow-up questions to probe a particular question that is not readily available following an impersonal survey (Zeisel, 1984).

The strengths of a web-based survey are obvious: they are quick to develop, easy to track and code, and inexpensive to create and distribute (Roth, 2006). In this era of social networking, distributing a web-based survey is easy and inexpensive, though it is also easy for potential respondents to ignore or disregard a survey request. As technology has progressed and spread rapidly, many of the challenges presented in the literature on web-based survey have already become obsolete. In 2000, Don Dillman warned that many potential survey participants may not have access to a computer or have an e-mail address. While it is safe to say that significantly more than the 35% of people that Dillman estimated as having e-mail access in 2000 now have access to and know how to navigate and use basic internet functions, it should be noted that indeed, not everyone does, and therefore there *are* some people who would not have been able to participate in my survey. And indeed, Dillman presents one challenge that remains true of internet surveys today, that of personal identification and response confidentiality.

Summary

These pieces of the literature helped me hone my research questions and helped guide the design of my survey. With these concepts in mind, I attempted to design a web-based survey that would address my research questions and lend itself to future applications and visual impact research work.

Chapter 3 : Research Methods

Overview

In this chapter I describe the approach and process I took to gauge how casual observers perceive and are visually impacted by transmission lines in rural and wildland landscapes. This chapter is organized into seven sections. First, I introduce my survey approach, followed by discussions of my sampling approach. Following this is a discussion on survey preparation, including photograph collection, photo manipulation, how I put the survey together, and finally, the analysis of the data collected from the survey.

The strengths of a web-based survey are obvious: they are quick to develop, easy to track and code, and inexpensive to create and distribute (Roth, 2006). In this era of social networking, distributing a web-based survey is easy and inexpensive, though it is also easy for potential respondents to ignore or disregard a survey request. As technology has progressed and spread rapidly, many of the challenges presented in the literature on web-based survey have already become obsolete. In 2000, Don Dillman warned that many potential survey participants may not have access to a computer or have an e-mail address. While it is safe to say that significantly more than the 35% of people that Dillman estimated as having e-mail access in 2000 now have access to and know how to navigate and use basic internet functions, it should be noted that indeed, not everyone does, and therefore there *are* some people who would not have been able to participate in my survey. And indeed, Dillman presents one challenge that remains true of internet surveys today, that of personal identification and response confidentiality.

Introduction to the Survey

The only reasonable way to gauge how the visual experience of the casual observer is affected by transmission lines is to ask them. However, since it would not be efficient to hope for chance encounters with people observing transmission lines and then interview them, I chose to develop a pilot survey that could be self-administered via the internet, wherein participants were asked to rate a series of landscape images from various locations in Washington State, some of which contained transmission lines. The survey was available for approximately four weeks, and ultimately 233 individuals participated, though three of these were later determined to be duplicate entries and were discarded, for a total of 230 sets of responses to be analyzed.

Overall, surveys are “particularly useful in describing the characteristics of a large population.” (Babbie, 2002, p. 272) That being the aim of this pilot project, a simple survey that could be distributed widely and easily seemed the best option. Furthermore, since the opinions of casual observers was the goal, a survey that could be distributed to a wide variety of people—not just outdoor recreationalists, for instance—was clearly the best way to conduct the research for this project.

Transmission Line Variables

I selected three variables for the transmission structures that I could represent through photography of existing transmission lines or photo manipulation:

- Density: number of transmission lines within the landscape, such as multiple parallel lines;
- Distance: based on the viewer’s location, is the transmission line in the foreground, middleground or background;
- Tower Style: lattice, monopole or H-frame, as described on page 5.

Each of these variables is carefully considered when transmission line projects are designed. The issue of transmission line density comes from concerns over cumulative effects, that is, the possibility that once one transmission line is sited, permitted and constructed, others will follow in adjacent right-of-ways so as to reduce the footprint of the corridor, but reducing the visual quality every time another transmission line is added. Distance is an obvious but effective way of reducing the visual impact of any structure, and transmission lines are no exception. Siting transmission lines away from roads, trails or other viewpoints is often a successful way to reduce or even prevent visual detection by casual observers (BPA, 1976). The style of a tower can help the structure blend into background landforms or vegetation, if any. For instance, the complex geometry of the lattice towers may actually blend into a forested backdrop better than the clean, linear form of a monopole tower.

Survey Preparation

In order to create a usable survey, I had to make some basic assumptions about how casual observers experience wildland and rural landscapes and how they would be interacting with my survey:

- Many casual observers experience public and rural lands via roads. Whether their vehicle is a personal car or a tour bus, whether they are on their way to spend more time in the forest or

just travelling between towns, they are probably in a motorized vehicle. This is important because the photos I used in the survey are all taken at roadside locations, and some scenes include the road.

- Most respondents would be taking the survey on a computer with a full-sized screen (14 inches or larger), and many newer computer and laptop screens are dimensioned for widescreen viewing. This assumption dictated the horizontal orientation and dimensional ratio of the survey photographs, as I wanted the survey participants to have the largest possible view of each scene.

These assumptions helped me design the appearance of the survey. The first item helped inform my photography as described in the next section, and the second item informed my choices of image size and overall design of the survey.

Photography

All survey photographs were taken in Washington State⁷ and are summarized in the order of survey appearance in Appendix A. All photographs were taken with a Nikon D60 DSLR camera. In all cases, the camera was handheld at eye level, with the focal length set to infinity. I only took photographs while it was not raining; however, some field days were sunny, some cloudy, and fog was sometimes present in the distance. A more detailed discussion of seasonal implications can be found on page 26.

All photographs were taken from publicly accessible roadways or adjacent land, in order to accurately recreate the types of landscapes and views that a casual observer might encounter in rural and wildland settings. Ideally, transmission lines crossing federal land would have been identified and photographed, but such research and travel was schedule prohibitive, so I sought out transmission lines in arid and forested landscapes that could stand in for generalized versions of federal wildlands. Approximate photograph locations are indicated in Figure 3-1.

⁷ The first and third images of the survey were not taken for the purposes of this research specifically, but are my own, taken in Washington in July 2011.

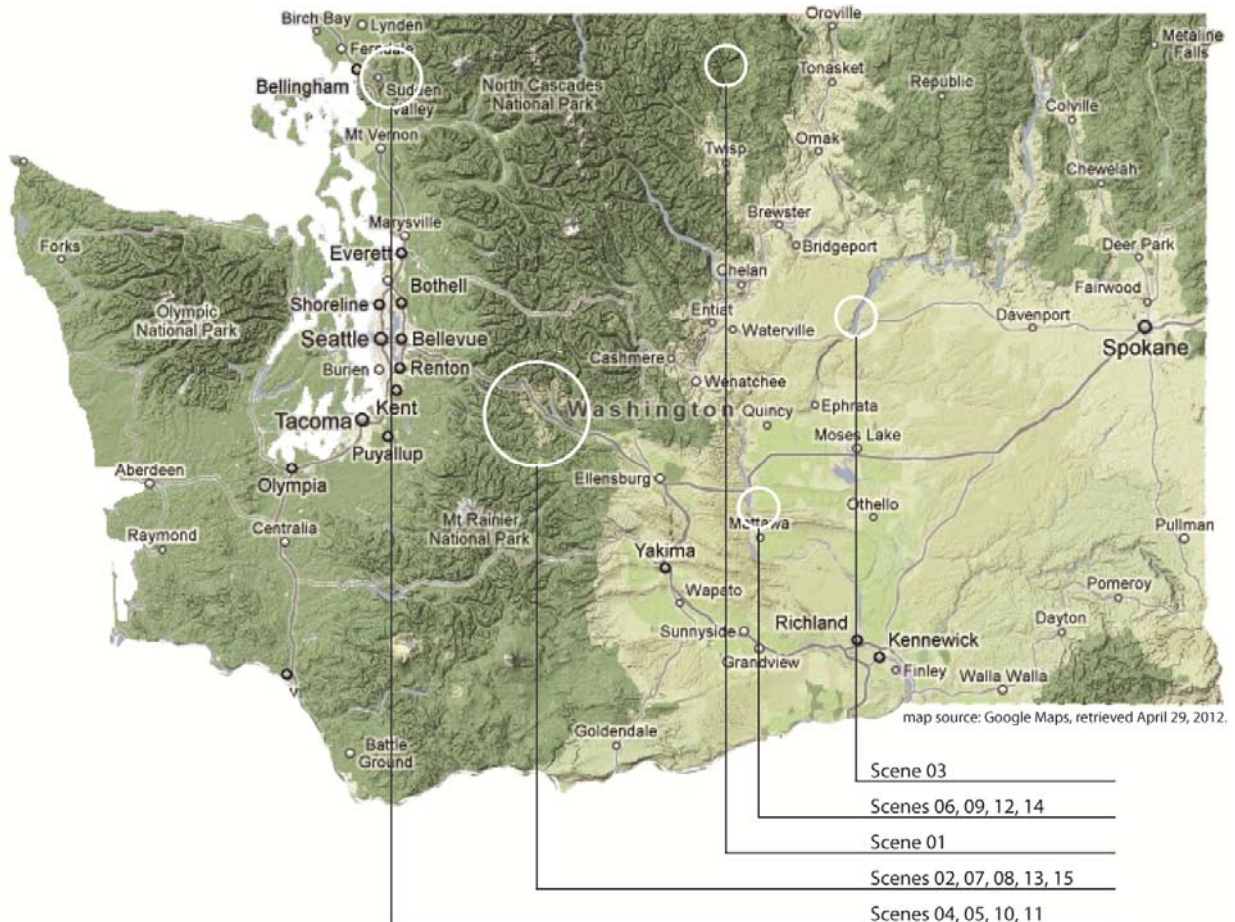


Figure 3-1. Landscape scene index map (scenes numbered as they appeared in the survey).

I tried to capture casual glances of the landscape, by not including dramatic vistas or using the camera's zoom feature to capture or avoid a particular piece of the landscape. In some cases, Adobe Photoshop was used to stitch single frames into a panoramic scene, but only to mimic the perspective of a casual observer. Further photo manipulation of the images is discussed on page 26. The road I was standing or driving on is often visible in the photographs, further mimicking a casual observer's visual experience. In short, while I attempted to genuinely capture the scenes, I carefully avoided "postcard-perfect" photographs so as not influence the survey participants with unusually spectacular scenery or features that would unfairly draw the eye such as signage with words or people, though anthropogenic traces (other than the transmission lines) are visible in most of the landscape scenes.

Similar to the various sky conditions mentioned earlier, it would have been my preference to collect the photographs when snow was not on the ground, due to the visual-emotional influence snow could have on the survey participants, such as a visceral negative reaction associating winter weather with being cold or uncomfortable, or just the opposite, where snow reminds the participant of wintertime activities they find enjoyable. Even without snow, other examples of seasonal influence in the landscape scenes include the arid landscape scenes, which are not brown and beige all year round, and would indeed appear green and even possibly colored with wildflowers during the springtime. The forested valley would be a riot of orange and yellow among the evergreen trees in the fall. Snow is simply a fact of the winter season in the Cascade Mountains, and witnessing transmission lines and their cleared corridors is an entirely valid visual experience for this area. But ultimately, I also recognize that snow and dry vegetation happens. Ideally, I would have had the leisure to photograph landscape scenes under many seasonal conditions, but the timeframe for this project would not permit an entire year of travel and photography.

Photo Manipulation

Eleven photographs were selected for inclusion in the survey. All of the survey photographs received some digital adjustment in Adobe Photoshop. First, each photograph was framed (cropped or stitched) to optimize the dimensions for assumed participant screen sizes, as mentioned earlier. To optimize photo loading time but not lose sharpness, each photograph was reduced to a resolution of 96 dpi, considered a good resolution for computer display.

Furthermore, four photographs were manipulated, using Adobe Photoshop and Adobe Illustrator to create new scenes, or directly control of elements within the scenes to depict different conditions, such as the omission of a transmission line or a different tower style. Photo manipulated images are described in Appendix A.

The original 11 photographs plus the four manipulated images made up the total of 15 photographs used in the survey.

Putting the Survey Together

Here I describe each part of the survey and the rationale behind each piece. The survey itself can be found in Appendix B.

Knowing that the survey would be taken by people I do not know and who would likely be taking the survey at the request of someone they know (see page 32 for discussion of the snowball sampling technique), I immediately thanked the participant and introduced myself and the survey as simply as possible. I did not want to discourage potential participants a lengthy introduction, but it was necessary to explain the purpose of the survey and their role as a participant. I highlighted further that the survey is anonymous, to allay any concerns about internet privacy or the collection and use of personal information in this research.

The only instruction the participants were given was to rate each scene on a scale of 1 to 6, with 1 being “dislike” and 6 being “like” (see page 28, for more information on scales used in the survey). Participants were also instructed to evaluate the landscapes themselves, not the photographs. I specified this to minimize the possibility that participants might make comments about the composition, image exposure, photo quality rather than the landscape itself so they would know that this survey was not intended to be a “test” of what they noticed about the quality of the photograph itself. And unlike Balling and Falk (1982), who instructed their participants to imagine visiting and then living in the areas depicted in their survey photographs in order to illicit a comprehensive sense of how people felt about certain landscapes, I prompted no imaginary situations or hypothetical conditions, so survey participants would consider *only* the visual image of the landscape from an aesthetic perspective.

Two notes at the end of the introductory text spell out some further instructions. Firstly, for better viewing, discouraged participants from viewing images on a screen only a few inches across, such as a smartphone or tablet screen. In the HTML code, I allowed each photograph to appear at 100 percent of the window width, so that no matter what size of screen the survey participant used, it would always be nearly as wide as the browser window. In retrospect, I should have also suggested maximizing the browser window size, but it is reasonable to assume that doing so would not make a discernible difference in the responses. After all, even a very large computer screen size is much smaller than a projected slide or the actual real world scene.

The second item is a legal disclaimer of sorts, explaining that since I am not permitted by my research rules to survey minors, that those under age 18 should not submit the survey. I had no expectation that children would be particularly interested in the survey itself, but since I would have no control over who would take the survey once it was launched, I needed to ensure that the conditions of my Human Subjects Review exemption were met (the Human Subjects Review Exemption letter can be found in Appendix D).

Photo Order Rationale

According to experts in visual preference research, randomized presentation of photographs would be ideal for gauging the participant's reaction to the scenes (personal communication, J. Nasar, March 29, 2012). Since I could not reasonably achieve website design skills enough display the images randomly, I attempted to simulate a random order of the photographs so as to not create trends in appearance of either landscape type or transmission line structure variables (tower design, line density or distance).

As applied in other landscape preference surveys (FHWA, 1979) the survey began with four "trial" photos to prepare the participants, giving them a chance to get used to the response format, since I anticipated that most of the survey respondents would be coming to the survey website without knowledge of the topic. These photographs were intended to introduce the respondent to large scale landscape scenes without the initial distraction of transmission lines. Next, I cycled through the three landscape types, so that the forested, arid and rural landscape types did not appear in succession, but rather one forest, one rural, one arid, repeat.

To avoid garnering extreme responses by presenting predictable alternating photographs, I placed the photographs wherein the transmission lines are most prevalent in the scene until the end of the survey. In retrospect, this may have had an unintended consequence of creating a perceived gradient wherein the transmission lines appear progressively more obvious.

Photo manipulated images, as described earlier, were not presented sequentially in the survey. In other words, while I created "pairs" of some of the scenes—with and without transmission lines, for instance—I did not present the photographs in the actual survey as pairs but as stand-alone images.

The last photograph does not depict any particular landscape type or transmission line variable, but instead shows the view from a highway through a forest where four transmission lines cross overhead, creating a canopy of sorts. I included that scene because I simply wanted to know how people reacted to the visual condition created by these transmission lines.

Rating Scale and Questions

An easily recognizable Likert scale was used to record how well survey participants favored each scene. That is, each participant was asked to rate the degree to which they liked a scene on a scale of 1 through 6, in which 1 indicated "dislike" and 6 indicated "like." I selected a scale in the six point range (rather than the popular seven point scale) so that a neutral rating was not an option, forcing participants to

make an evaluation of each scene (Vining and Stevens, 1986). I chose this tactic in recognition that people might perceive these scenes as relatively ordinary and rate them all neutrally, which would not yield a reliable data set for my purposes.

In order to elicit a full reaction to each photograph, I asked the respondents to describe what they specifically liked and disliked about each photograph, and then offered respondents an opportunity to enter any additional comments they had about each scene. A text field displayed at eight rows and 75 columns but allowing an unlimited number of characters followed each of these questions, allowing the respondents to enter as much or as little as they desired.

Each scene was mentioned by number to ensure that data collected would be correctly tracked from the survey input form to the survey response spreadsheet. Each set of photographs and questions were bounded by a white box and the background was light grey, subtly grouping each set of photographs and questions, as well as the demographic questions at the end of the survey. Figure 3-2 approximates how the survey appeared on screen. Word choice was carefully considered in the development of the survey. I used “scene” instead of “photo” or “image” because I wanted the respondents to focus on the landscape itself, rather than any elements inherent to the photograph such as composition, lighting, evidence of photo manipulation, and so on.

Landscape Scene Survey


Thank you for visiting!

I am a graduate student in the Masters of Landscape Architecture program at the University of Washington, and I am conducting a survey of people's responses to different landscape scenes. The survey consists of a series of 15 landscape images and a few simple questions at the end. THIS SURVEY IS ANONYMOUS.

Using the scale below each of the following photographs please rate of the scenes, evaluating the landscapes themselves, not the photographs. Please also answer the questions about the scenes and use the comment field to enter any additional thoughts on the scenes.

Note: Using a large screen is recommended, if possible.
 Note: This survey is intended for people aged 18 and up. If you are a minor, please do not submit this survey.

Please rate Scene 1, below



1 2 3 4 5 6
 Dislike Like

What do you LIKE about Scene 1?

What do you DISLIKE about Scene 1?

Additional comments on Scene 1:

Please rate Scene 2, below




Figure 3-2. Survey appearance. An approximation of how the survey appeared on screen. Notice the grey box delineating each scene and its questions.

Some basic demographic questions closed the survey. I wanted to know how much time the survey respondents spent in the landscapes the survey addressed (that is, rural or wild, not necessarily forested or arid), though the meaning of each descriptor offered (e.g.: often / sometimes / rarely / never) could vary between participants.

I then asked three questions directly about transmission lines in the landscape: “When travelling in rural areas, do you ever notice large power lines in the landscape? Have you ever felt that the power lines were affecting your visual experience? How?” This is the first and only time transmission lines are explicitly mentioned in the survey, though I called them “power lines” due to some confusion I’d experienced regarding the phrase “transmission line” among non-experts, prior to developing the survey. A few questions about age, sex and occupation or field of study rounded out the survey, and these data were collected to determine if any trending occurred among or within these groups.

Finally, participants were asked if they took the survey using a handheld device. I asked this question because I was concerned about the extreme reduction in image size and clarity on a small screen.

Web Interface

The survey itself was initially designed in Google Forms, a free application offered by Google to create forms for data collection which automatically generates a Google Docs spreadsheet to collect and store the data. The Google Forms format, however, did not allow for the image size customization I desired and felt was crucial for the survey, so I built the bulk of the survey in Google Forms and used the HTML code from it to customize the survey page, which still linked to the Google Docs spreadsheet. I customized the look and feel of the survey page by modifying the HTML code directly, which allowed me to scale the photographs based on the viewer’s browser window size rather than be limited by dimensions prescribed by Google Forms. Since obtaining my own website would be too costly and complicated for the duration of this thesis project, I uploaded the HTML file to Dropbox, a free file-sharing site available to anyone with the website address where it was “hosted.” I distributed the shortened form of the URL as generated by Dropbox to potential respondents, further discussed below. Unfortunately, the website address generated by Dropbox was vague: <http://db.tt/CrbBFaaJ>.⁸

⁸ Dropbox generates a new randomized URL each time the file is accessed by the author, so this may not be the same URL that survey participants used.

Survey Launch and Distribution

The survey website was activated on March 12, 2012, and about six e-mails containing an introduction, survey instructions and the website address were sent as an initial pilot launch to personal and academic contacts on the same day. Nearly immediately, I received confirmations of successful survey completions, and indeed, I was receiving survey data via the Google Docs spreadsheet, indicating to me that this initial pilot launch was successful. A larger batch of e-mails was distributed a few days later, on March 19, 2012.

Usually applied when surveying hard-to-reach populations (Babbie, 2002) the snowball sampling approach suited this pilot project as a way to achieve a high response rate, with minimal investment of time and money. Applying the snowball sampling approach, all e-mail recipients were asked to forward this e-mail to their contacts, as well as to share the survey website address through social networking sites as appropriate (the original e-mail can be found in Appendix C). To help facilitate re-distribution, a prepared piece of generic introductory text was included in the e-mail. Some unsolicited feedback was received from both well-known and distant acquaintances, that they were passing the survey along to extensive networks, exactly as I had intended through the snowball sampling approach. Ideally, as the distance between myself and the survey distribution e-mails grew, so too should the candidness of the responses. However, as appears to be borne out in the response rate (Figure 3-3), it seems reasonable to me that the survey would lose some of its vigor as it reached levels of friend-of-friend-of-friend distribution and possibly be perceived as junk e-mail or similar due to repeated forwarding and the fact that the web address of the survey was not recognizable as a legitimate website.

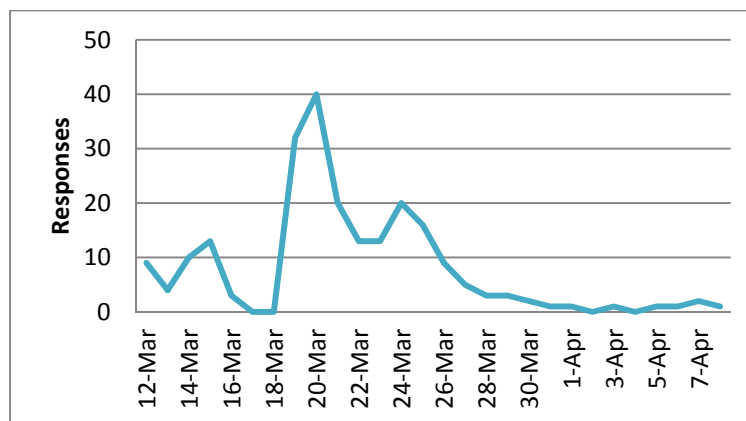


Figure 3-3. Survey response rate. Note the first and second spikes, corresponding with the two batches of distribution e-mails.

In addition to the e-mails, I added a “Recommend” button to the end of the survey using HTML code prepared by the social network company Facebook, so that participants could easily share the survey site with their Facebook network. When the survey closed, 13 participants had “recommended” the survey to their Facebook networks using this tool.

In addition to my friends and family, I also sent the distribution e-mail to about 40 fellow landscape architecture students and three landscape architects. Upon closing the survey however, only 18 respondents had listed “landscape architect” or “landscape architecture student” or a variation of these as their occupation or field of study, representing only seven percent of the total responses, which does not present much concern of trained expert bias for the survey results as a whole.

Analysis

I used a combination of Microsoft Excel and a qualitative data analysis program called Atlas.ti to code and query the survey results. Simple statistical analyses were performed on the data acquired from the Likert scale ratings, but because the survey largely relied on open-ended written answers, I used Microsoft Excel and Atlas.ti as well as manual coding techniques to conduct a content analysis, using words and phrases both in association with the photos from the survey and without such association to gauge how the participants feel about these landscapes and the transmission lines within them generally.

Summary

Given my nascent web programming skills, development of the pilot survey instrument was straightforward, though it was apparent even from the beginning that some aspects of the survey could be better executed, such as the continuous page layout, requiring scrolling between scenes. In the next chapter I present the survey results, and I discuss the challenges of the survey and how it could be improved for future use in the Discussion chapter.

Chapter 4 : Results

Overview

In this chapter, I present and discuss the results of the survey and how they might inform further study of casual observer preferences regarding high-voltage transmission lines in wildland landscapes. First I describe the overall trends borne by the quantitative results as collected from the responses to the Likert rating scales, and second I describe the trends identified through the qualitative data collected from the responses to the open-ended questions. Next, I identify response trends for each of the scenes in the order in which they appeared in the survey, and for each I discuss why I selected each scene, including landscape types and transmission line variables, as discussed in the Introduction on page 8 and in the Research Methods chapter on page 23, respectively. I also summarize the responses each scene garnered⁹. Finally, I describe the survey responses generally.

Quantitative Results

Generally speaking, the average rating for the scenes indicates a dislike for transmission lines in the rural and wildland landscapes depicted in the survey photographs. As illustrated in Figure 4-1, below, the first four scenes, which contained no transmission lines, rated rather highly, averaging a rating of 4 or higher, but a sharp drop occurs at Scene 05, which depicts a transmission line prominently in the landscape. The next six scenes received slightly higher ratings, with Scenes 08, 09 and 10 all receiving an average of 3.6. This is interesting because scenes 07, 08 and 10 all depict large transmission lines in the distance, and Scene 09 depicts a smaller transmission line in the middleground, indicating that the appearance of the size of the structures decreases the visual impact of the transmission lines. Scene 11, for which the average rating begins to fall again (3.1), depicts another transmission line in the foreground, similar to Scene 05. Scene 12, which depicts an arid landscape thick with a vast network of transmission lines and little else, received the second lowest average rating of all at 2.5. While prominently featuring four transmission lines overhead, Scene 13 nevertheless recorded an average rating of 3.0. Notably, Scene 14, which was photo manipulated to replace the original monopole towers from Scene 09 with lattice style towers received an average rating of 2.6, a full point lower than Scene 09, indicating that tower style does affect the visual impact of transmission lines. Finally, Scene 15, which was not associated with

⁹ It should be noted that some statistical error may have occurred, as some coding was word-based may have captured multiple instances of similar words occurred in some responses. For instance, “forest” and “trees” may have caused a survey response to be coded for “mentions trees/forest” twice. The data and coded responses were reviewed to prevent this, but it is possible that not all double codes were removed.

a specific landscape so much as to see how respondents reacted to several lines directly overhead in a wildland landscape, received the lowest average rating of all, at 2.4.

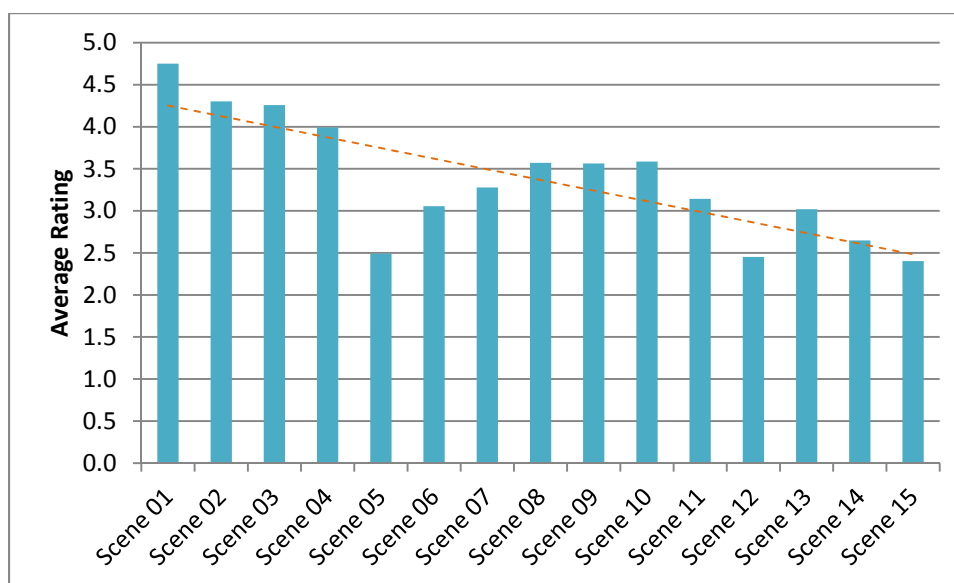


Figure 4-1. Average scene ratings. Dashed line indicates overall trend of results, which drops by approximately two points between the beginning of the survey to the end. Note the sharp rating drop at Scene 05, which is the first scene that includes transmission lines.

Qualitative Results

Overall, the most frequently mentioned occurrence was in fact the transmission lines, which were mentioned, on average, six times per respondent. As I described in the Methods chapter, I understand that the phrase “transmission line” is somewhat specialized and included the more common reference to “power lines” in this analysis, as well as “poles,” towers,” “lines,” “cables” and “wires” since, in the context of their individual entries, the participants were clearly referring to the transmission lines in the photos.

The second most frequently identified occurrence were trees at about three mentions per respondent, on average. Trees were mentioned both in the context of their appreciated presence in the forested scenes and their unfortunate absence in the arid scenes or where forest clearing was evident in the landscape, either in conjunction with the transmission lines or otherwise.

Roads appeared in about half of the photos and were the second most commonly mentioned occurrence, both in positive and negative descriptions.

Table 4-1. Summary table of each of the landscape scenes and the average survey rating of each.

Scene	LANDSCAPE			DISTANCE			DENSITY		STYLE			AVERAGE RATING
	forested	arid	rural	FG	MG	BG	dense	not dense	lattice	mono	H-frame	
01	X											4.8
02			X									4.3
03		X										4.3
04	X											4.0
05			X	X				X			X	2.5
06		X			X		X		X	X		3.1
07	X					X	X		X			3.3
08	X					X	X		X			3.6
09		X			X			X		X		3.6
10	X					X	X		X			3.6
11			X	X				X		X		3.1
12		X			X		X		X			2.5
13	X				X		X		X			3.0
14		X			X			X	X			2.6
15	X			X			X		X			2.4

Individual Scene Responses

In this section, I have included each of the scenes from the survey, accompanied by an at-a-glance information box to the right that lists the most frequently “liked” and “disliked” features, as well as a generalized “additional” comment to give some indication of what respondents were thinking about each scene (these are not necessarily the most frequently identified of the “additional comments,” but are generalized trends that I noticed). Next, the average rating for each scene is identified, and a simple bar graph indicates the proportion and percentage of each rating received. Following each image is a description of the scene and why I selected it for the survey, as well as a brief discussion of the quantitative and qualitative data received for each scene.

Figure 4-2. Scene 01: Forested landscape, no transmission lines or other structures.



Scene 01 was intended to represent an undeveloped, forested landscape, and I placed it first in the survey as one of the four trial photos, as described on page 28. The natural setting contains no transmission lines or any other structures, and gives survey participants an opportunity to acclimate to the survey and its format.

With an average of 4.8, this scene was rated the highest of all the survey scenes, with 87 percent of respondents rating the scene as a 4, 5 or 6. Only one respondent recorded a rating of 1 (less than one percent), and the remaining 14 percent rated the scene as a 2 or 3.

The most frequently identified feature of this scene was on the trees and forest, which were collectively mentioned in 80 percent of survey responses. Thirty-eight percent specifically mentioned noticing dead, downed and fallen trees in the scene. Other frequently mentioned features were the stream (45 percent) and the mountains (38 percent), as well as a variety of statements that expressed appreciation of natural state of the landscape (36 percent).

Figure 4-3. Scene 02: Rural landscape, human habitation and development obvious. No transmission lines.



The second trial scene, the photograph in Scene 02 was manipulated in Adobe Photoshop to remove a transmission line in the background. The resulting scene is a rural housing and ranching development in the mountains with no transmission lines, but a road dominating the lower third of the frame.

With an overall average rating of 4.3 and 64 percent of respondents rating this scene as a 4 or 5 this scene recorded a definite shift to the middle of the rating scale, indicating that the built structures do not improve the appearance of the scene, even if they were the most frequently mentioned elements of the scene. Six percent of respondents rated the scene as a 1 or 2, overall indicating a general feeling of mediocrity among survey respondents.

The most frequently mentioned feature in Scene 02 were the structures: the fence, the house and the barn, which were collectively mentioned by 49 percent of survey respondents. As described earlier, I would have preferred to not take photographs while snow was present due to the extra attention I thought it would receive, and indeed, snow was commented upon by 42 percent of survey respondents, garnering both positive and negative comments. Other features commented upon were the mountains (41 percent), the road (38 percent) and the trees (25 percent).

Figure 4-4. Scene 03: Arid landscape, human habitation and landscape control obvious. No transmission lines.



The third “trial” scene was intended to introduce the arid landscape type and features a mostly treeless plateau above a large river and small neighborhood.

Scene 03 also recorded an average of 4.3, with 57 percent of survey respondents rating the scene at a 4 or 5. Twenty-six respondents rated the scene as a 2 or 3, and the remaining 16 percent rated the scene as a 6. Only one respondent rating the scene as a 1 (less than one percent). In all, these ratings, as compared to those of the previous two scenes, indicates a preference for scenes wherein built structures or development is either absent from or of minor appearance within the scene.

The river received the most comments on this scene, with 80 percent of survey respondents describing it. The second most frequently mentioned feature of Scene 03 was the landform (hills and plateaus, at 48 percent). The houses were mentioned by 24 percent of survey responses and 26 percent of the responses described the scene as “brown.”

Figure 4-5. Scene 04: Forested landscape, landscape management evident. No transmission lines.



The last of the “trial” scenes, this photograph was manipulated in Adobe Photoshop to remove a series of three transmission lines along the toe of the hillside and features both rural and forested landscape types, though the forested hillside was my reason for including this photograph in the survey.

Scene 04 recorded an average of 4.0, again indicating that a scene lacking obvious development is regarded more highly than a scene with development or built structures. Fifty-five percent of survey respondents rated this scene as a 3 or 4. Following a typical bell curve distribution, one percent rated the scene as a 1, nine percent rated it a 2 and 25 percent rated it a 3. The remaining 13 percent of respondents rated the scene at a 6.

The lack of apparent focal point seemed to bother some survey participants, though the highest number of comments focused on the hills (48 percent). The second and third most frequently identified features of Scene 04 were the trees and barbed wire fence in the foreground, at 42 and 30 percent, respectively. Nineteen percent of survey responses praised the greenery of the scene (perhaps in contrast to Scene 03), and 11 percent commented on the fog along the hilltops. Similar to the snow in Scene 02 and others, I would have preferred to have more generic weather conditions during photography, to avoid precisely this distracting element.

Figure 4-6. Scene 05: Rural landscape, pasture backed by trees. One wooden H-frame transmission line in the foreground.



The first scene of the survey that includes transmission lines, this photograph was manipulated to add three wooden H-frame transmission towers, beginning in the foreground and moving away from the viewer.

The introduction of the transmission lines immediately triggered a clear dislike among survey respondents, who firmly rated this scene on the “dislike” end of the rating scale, resulting in an average rating of 2.5. Nearly a quarter (twenty-three percent) of respondents rated this scene as a 1, and one third (33 percent) of respondents rated the scene as a 2, while another quarter (25 percent) rated it a 3. Only twenty percent of respondents rated this scene at 4 or higher.

A full 71 percent of survey responses included mention of the transmission line in Scene 05, though some seemed somewhat charmed by its seemingly older character, two of whom noted the materiality and rusticity of the H-frame towers. Sixty-one percent of responses mentioned the vegetation of the scene, specifically on the condition and purpose of the cleared vegetation and some wondered about whether vegetative screening or other plantings could be applied to ease the visual impact of the transmission line.

Figure 4-7. Scene 06: Rural landscape, river and bridge in the background. Several lattice towers and monopoles in the middleground.



This photograph was selected for the survey because it portrays a dense arrangement of transmission towers of numerous lattice-based designs in an arid landscape.

Scene 06 received an average rating of 3.1, with approximately one quarter of survey respondents rating the scene at 2, 3 and 4 (27, 24 and 23 percent, respectively). The remaining 25 percent split between a rating of 1 (11 percent) and 10 and four percent recording a rating of 5 and 6, respectively.

The vast majority of survey respondents (81 percent) reacted to the transmission towers in Scene 06, commenting on their number, density, the multiplicity of tower styles, their interruption of the view, their haphazard placement in the scene and a few raised the question of impacts to wildlife habitat. Eight respondents commented on the “industrialization” of the landscape as a result of the transmission lines. Thirty-three percent of survey responses mentioned the mountains in the background, and 30 percent mentioned the river to the right hand side of the scene. Furthermore, 11 percent of survey responses mentioned the bridge, indicating to me a high level of attention paid to features besides the transmission lines.

Figure 4-8. Scene 07: Rural landscape, highway in the foreground and landscape management evident. Four lattice towers in the background.



This photograph was selected for the survey to represent a forested landscape type and transmission towers in the distance.

The average rating for this scene was 3.3, very similar to the rating distribution of Scene 06, recording approximately one quarter of survey respondents each rating the scene at 2, 3 and 4 (24, 28 and 23 percent each, respectively). The remaining 25 percent was again split between 7 percent rating the scene at 1 and 18 percent rating the scene at 5 or 6.

Seventy percent of survey responses mentioned the road, almost all bemoaning its existence through a relatively scenic area, though some justified the road's necessity. The trees were mentioned by 42 percent of survey responses, followed by snow, at 40 percent. The transmission towers in the very center of the frame were mentioned in 28 percent of survey responses.

Figure 4-9. Scene 08: Rural landscape, human habitation and development obvious. Two lattice towers in the background.



This is the first time survey participants had seen a repeated image, though as described earlier, this photograph is in fact the original, unaltered image showing two transmission lines in the distance. Coincidental to this being the first repeated scene, I noticed a distinct dip in the response rate for Scene 08 (n=203, compared to 220 for Scene 07), which, along with the nearly one quarter of survey respondents that we know noticed the repetition, as well as some anecdotal evidence, suggests that some participants skipped this scene because they believed it to be repeated in error. The response rate jumps back to 213 in the following scene, though it does trend slightly downward throughout the length of the survey.

The rating distribution was nearly symmetrical, with 49 percent of survey respondents rating the scene on the “dislike” side of the scale (1 through 3) and 51 percent of respondents rating the scene on the “like” side of the scale (4 through 6). Sixty-two percent of survey respondents, nearly two-thirds, rated the scene solidly in the middle of the scale, with 4 and 5 each recording 31 percent of survey respondents. Several respondents made comments that indicated that the addition of the transmission lines decreased the visual quality of the scene, with comments such as “This time there is an added scourge of transmission lines through the area that I like. while there is some natural value, looks pretty disturbed” (P52).

Most survey participants simply responded to the scene without commenting on its previous appearance, 24 percent of survey respondents recognized the duplicate image. Furthermore, 17 percent of survey respondents explicitly described the difference between the images, while seven percent mentioned having seen the image before, but did not describe the “addition” of the transmission lines in Scene 08. The lack of specificity in these types of responses, as well as response problems stemming from the use of repeating similar images is discussed in the next chapter, under Use of Photographs. Generally, respondent comments on the transmission lines ranged from simply acknowledging the “new” lines to strong aversion. Similarly to Scene 02, the snow, mountains and trees were frequently commented upon, at 24, 23 and 19 percent, respectively.

Figure 4-10. Scene 09: Arid landscape, road in the foreground. One monopole transmission line in the middleground.



Scene 09 was selected to represent the monopole style in an arid landscape setting. The single set of small towers disappears into the landscape as they approach the horizon to the right of the frame, along with the two-lane road in this remote landscape.

Survey respondents shifted slightly to the “like” side of the scale for this scene, with nearly one-third (29 percent) of respondents rating this scene at a 4. Nine percent rated Scene 09 as a 1, 13 percent as a 2, and 23 percent rated it as a 3. About one quarter seemed to really like the scene, rating it at 5 (20 percent) or 6 (six percent).

The occurrence most frequently commented on was the road, with 59 percent of survey responses mentioning it, whether it be described as ugly or with a sense of nostalgia. The transmission towers were mentioned in 47 percent of survey responses. This scene is about halfway through the survey, and it is possible that at this point in the survey, if not earlier, survey participants have noticed the pattern of transmission lines in the scenes and are seeing them more readily. Other features garnering attention in this scene were the openness of the landscape and sky, and the desert landscape type, at 17, 16 and 13 percent of responses, respectively.

Figure 4-11. Scene 10: Forested landscape, landscape management evident. Three lattice transmission lines in the background.



The photograph in Scene 10 is the same landscape as that in Scene 04, but taken with a longer perspective view.

Eleven percent of survey respondents commented on the similarity between the two scenes, but only about half of these (five percent) specifically stated that they noticed the three lattice style transmission lines that appear in the background of this image along the top of the hillside. Overall, the transmission lines were mentioned in 44 percent of survey responses. The road and hills were mentioned nearly equally, at 38 and 36 percent, respectively. Some respondents began to express frustration that roads repeatedly appear in the survey scenes.

Scene 10 averaged in the middle of the scale at 3.6, again recording a typical bell curve distribution. Two percent of respondents rated the scene at 1, 17 percent at 2 and 27 percent at 3. One-third of survey respondents rated the scene at a 4 (33 percent). Rating 5 recorded 16 percent and rating 6 recorded five percent of survey respondents.

As mentioned above, 44 percent of respondents mentioned the transmission lines in this scene, which suggests that the distance between the viewer and transmission lines does not sufficiently reduce the visual impact of the transmission lines, as perceived by casual observers.

Figure 4-12. Scene 11: Rural landscape, pasture backed by trees. One monopole transmission line in the foreground.



Another scene whose photograph has been seen in the survey once before, the towers in Scene 11 are in the same locations as those in Scene 05, but were switched from wooden H-frames to dark-colored monopoles.

Not as low as the similar Scene 05 (average rating of 2.5), Scene 11 recorded an average of 3.1, with nearly one-third (31 percent) of survey respondents recording a rating of 3 for this scene. This shift, though slight, indicates a preference for the monopole style towers or their materiality. The material of the monopoles is vague in appearance, but was intended as a chemically weathered metal, as is sometimes used when trying to camouflage transmission towers. Eight percent of respondents rated Scene 11 at a 1 and 24 percent at a 2. Twenty-two percent of survey respondents rated the scene at a 4, 11 percent at a 5 and three percent at a 6.

Eight percent of survey respondents commented on the scene repetition, with five percent specifically noting the difference in tower style and three percent not making this distinction. Overall, 44 percent of survey responses commented on the transmission line. The trees and pasture were collectively mentioned in 22 percent of responses for Scene 11.

Figure 4-13. Scene 12: Arid landscape, heavy with sagebrush. Several lattice transmission towers in the middleground and background.



Similar to Scene 06, Scene 12 shows an array of lattice transmission towers in an arid environment, though in this scene, the towers fill the foreground, middleground and background.

Scene 12 received the most ratings of “dislike,” with nearly one-third of survey respondents rating this scene as a 1. The remaining rating options received decreasing percentages: 27 percent rated this scene as a 2, 23 percent rated it as a 3, 13 percent rated it as a 4, five percent rated it as a 5 and two percent rated it as a 6. Overall, Scene 12 also recorded the second-lowest rating, which, along with the comments entered for this scene, suggests that the numerous transmission towers, seemingly so disorganized and of so many different styles, is not appreciated by the survey participants who responded to this scene.

Sixty-six percent of survey responses noted the transmission lines in this scene, and only 22 percent mentioned the road, possibly indicating a shift in which feature was perceived to dominate the scene. The fence in the lower left hand corner was commented upon in 16 percent of survey responses, and the desert landscape and sagebrush vegetation were collectively mentioned in 24 percent of survey responses (ten and 14 percent, respectively).

Figure 4-14. Scene 13: Forested landscape, landscape management obvious. Three lattice towers in the middleground.



I included this scene in the survey with some reluctance, as I felt that the snowy corridor and overhead conductors were so very prominent in the scene that there was little else to see in the landscape. But in the end I included it as an accurate view of a transmission line corridor from a well-marked and traveled forest road that recreationists might use to access cross-country ski areas or hiking trails. Indeed, I did not travel far from the highway to reach this location, which was along a marked and well-plowed forest road.

With an average of 3.0, this scene recorded a strongly neutral rating, with over half (52 percent) of respondents rating the scene in the middle of the scale, at 3 and 4. Overall, far more respondents leaned to the “dislike” side of the scale, with 14 percent of respondents firmly disliking the scene, and 23 percent registering a rating of 2, while a total of 11 percent of respondents liked the scene enough to rate it at 5 or 6.

Overall, respondents commented most frequently on the transmission lines (70 percent), and the snow elicited comments both favorable and unfavorable among 64 percent of survey responses. Other frequent positive comments were on the trees (48 percent) including the apparent health of the forest, and the sky conditions (18 percent). One word that had not been used much since the very first photograph but that was used with some frequency when describing this scene was “pretty.”

Figure 4-15. Scene 14: Arid landscape, road in the foreground. One transmission line with lattice towers in the middleground.



In Scene 14, I replaced the monopoles of Scene 09 with a digital model of a lattice style transmission tower.

Scene 14 recorded an average of 2.6, with about one-third of respondents recording a rating of 2 and nearly as many, 29 percent, recording a rating of 3. Eighteen percent recorded a rating of 1, leaving less than one quarter of the respondents to record a rating of 4, 5 or 6.

Fifty-eight percent of survey responses included mention of the transmission line, though reactions to the tower style were split: some respondents prefer the monopoles and some stated their preference for the lattice towers in this context. Ten percent of survey respondents stated that they'd seen this image earlier in the survey and eight percent specifically mentioned that they'd noticed the difference between the two images. Other frequently mentioned elements in this scene were the road (32 percent), the sky (ten percent) and the desert landscape (eight percent).

Figure 4-16. Scene 15: Forested landscape, mostly sky. Two lattice transmission towers in the middleground, numerous conductors overhead.



The photograph in Scene 15 was not associated with any particular landscape type, tower design or placement variables I have described for the previous scenes, but I included this image simply because I was curious to know how survey participants would react to this veritable canopy of conductors spanning the mountain highway. The photograph itself was taken just a few hundred yards after the photograph in Scene 07 was taken, and a few respondents even recognized the location and correctly named it, while a few other respondents seemed convinced that this was an altered photograph, that there could not possibly be so many transmission lines in one place.

Scene 15 garnered the lowest average rating: 2.4. Over one-third of survey respondents recorded a rating of 2 (34 percent), while about one quarter rated this scene at 1 or 3 (25 and 24 percent, respectively). Only 16 percent of respondents rated this scene at 4 or higher. Ten percent rated the scene at 4 and three percent each rated the scene at 5 or 6.

The transmission lines were mentioned in 69 percent of survey responses; trees, both their presence in the foreground as well as their absence in the background were mentioned in 38 percent of the responses; and the road and cars were mentioned in 35 percent of the responses. Of the comments made about the transmission lines, most were negative, but some seemed intrigued and seemed to try to make a design element of the numerous conductors crossing overhead. One participant wrote "...in a weird way, they almost look like suspension wires holding the scene together on a dicey curve" (P30).

Responses to Inquiry on Visual Impacts of Transmission Lines, Generally

Following the 15 scenes and their associated questions, survey participants were asked the only question that specifically mentioned transmission lines, “When travelling in rural areas, do you ever notice large power lines in the landscape? Have you ever felt that the power lines were affecting your visual experience? How?” Ninety percent of the survey participants responded to this question. Of these, nearly 70 percent described transmission lines as negatively impacting their visual experience of rural and wildland areas. The most frequently used negative descriptor was “ugly” followed by various uses of “distract.” The nine most frequently used negative descriptors and the frequency of each are illustrated in Figure 4-16.

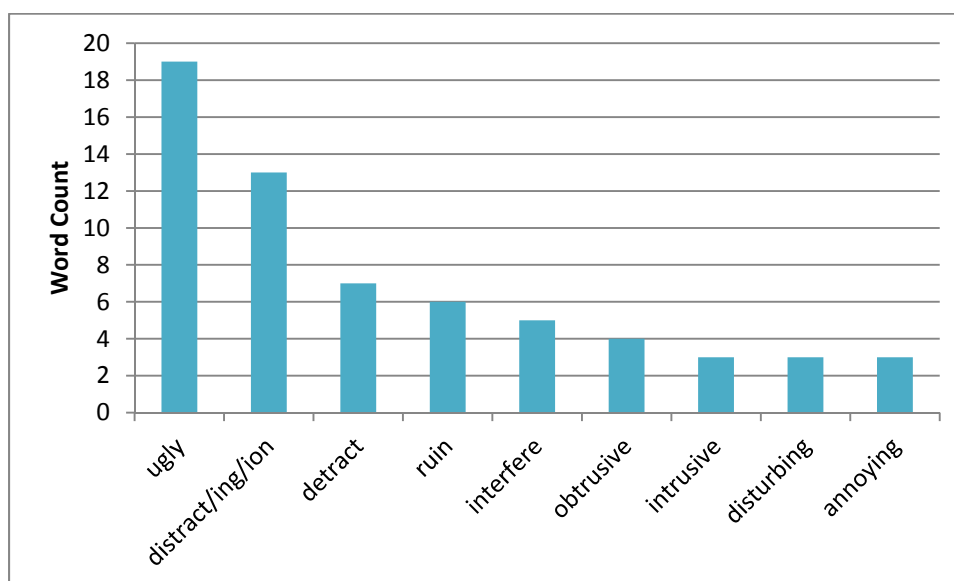


Figure 4-17. The most frequently used words describing negative impacts to the respondents' visual experience.

Twenty-three percent suggested or described a neutral visual experience regarding transmission lines. Since no respondents used the word “neutral” *per se*, I gauged and categorized neutral responses when the respondent answered with language that expressed neither positive or negative feelings towards the visual impact of transmission lines. For instance, “Little affect. They are gone quickly when driving” (participant (P) 162) or “I notice them [but] I don’t let them affect my visual experience” (P106). I also categorized as neutral those responses which simultaneously contained contradictory or opposing statements regarding transmission lines, such as “In some ways, they detract from the beauty of the scene, but it depends. In some scenes...they seem to fit in with the scenery nicely.” (P179). Only two

respondents gave specifically and exclusively positive reactions to the visual impacts of transmission lines, one of whom wrote “I notice them and I think that they do affect my visual experience, but in a positive way. Power lines make the landscape more stark and real, I think, and evoke a certain loneliness.” (P219). Seven percent of survey respondents who answered this question entered responses that I was unable to place in any of these three categories, and are noted in Figure 4-17 as “unknown.” These responses varied from statements too brief or inconclusive for me to attribute a positive or negative position, such as “Yes. I find them interesting. The engineering involved, the linear motion through the landscape.” (P3), to agitated commentary like “Do you like power in your house? Deal with power lines in the country!!!!” (P108).

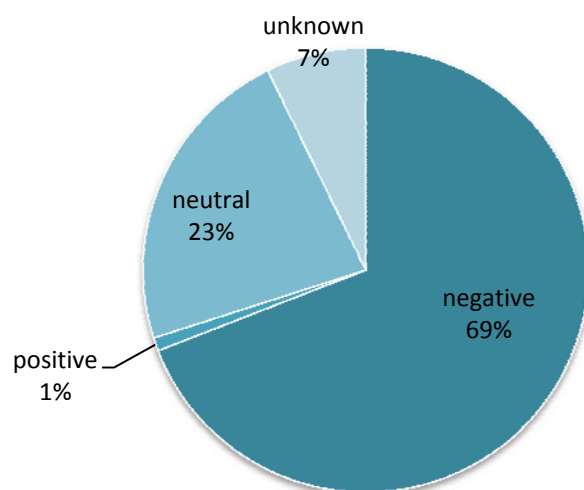


Figure 4-18. Perception of transmission lines in rural areas.

Of the 143 respondents who described negative feelings towards the appearance of transmission lines in rural and wildland landscapes, the most frequently referenced complaint was in regards to the size of the structures, as illustrated in Figure 4-18. Some of these respondents suggested that smaller, more discrete structures were preferable over large metal structures (lattice towers). Seven survey respondents—nearly half as many as those that mentioned size—mentioned the clearing of trees to accommodate transmission lines, though they tended to acknowledge that such corridors are necessary for safety reasons. Transmission line siting, density and tower style were mentioned in equal frequencies. Transmission line siting refers to the physical location of the transmission line in the landscape, such as placement of towers along a ridgeline, or their proximity to a road. Density, as

discussed on page 23, refers to the number of transmission lines in a particular space. Multiple lines and towers may be located parallel each other as they move over long distances, but within the vicinity of energy generation facilities as energy is being conveyed to various distant locations, the lines and towers may appear to be disorganized or messy. Both of these conditions were mentioned by survey respondents commenting on transmission line density: some complained that more than one line cluttered the landscape, and others commented that the haphazard appearance of multiple lines appeared forest-like (P174), and one respondent wrote “When they are neatly lined up it's fine, but when they're in disarray...it makes everything uglier.” (P128). Responses regarding the bulkiness or ugliness of the towers was categorized as style, since these are characteristics that could be addressed by changing the design of the towers (using monopoles instead of lattice towers for a more elegant appearance, for instance). Few people described specific styles that they objected to, stating generally that some styles are “...more offensive...than others, in terms of their size, structure and style.” (P38). Of the six respondents that mentioned specifics regarding tower style, one mentioned a preference for “phone poles” (P208), and another admonished the angularity of the lattice towers (P112). Lastly, four respondents specifically mentioned materiality, though usually in conjunction with style or size. These respondents suggested that smaller, wooden poles were preferable over large metal or concrete towers.

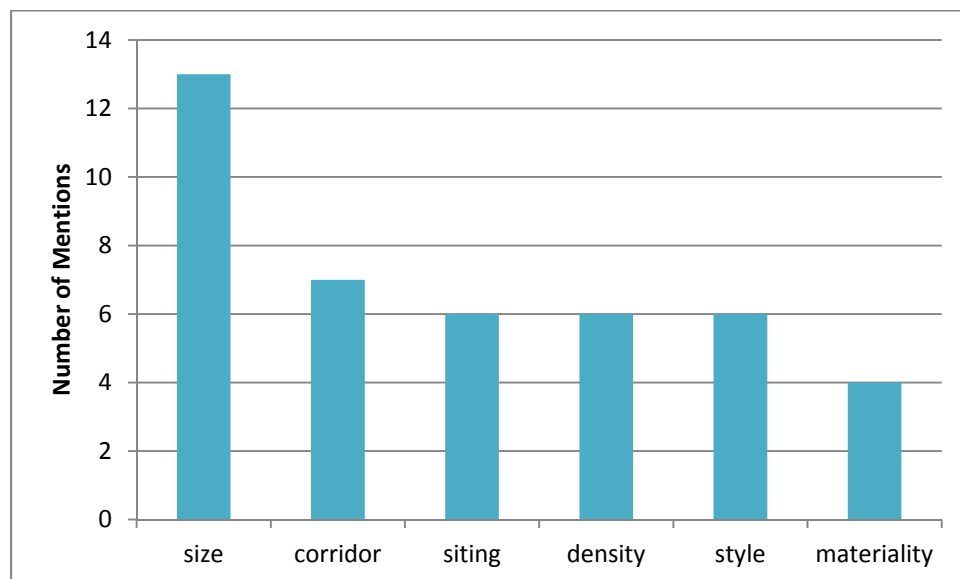


Figure 4-19. Frequently cited issues among survey respondents regarding the appearance of transmission lines.

Minor Survey Response Trends

In addition to the general responses outlined earlier and the responses to individual scenes just described, there were a number of less frequent but interesting data collected through the survey.

Some respondents noted that while they might actually see transmission lines in rural and wildland landscapes, they tend to not notice them, and simply accept them as a fact of modern living, just as much as the road or other utilities. To that end, their comments reflected this idea when they described transmission lines or other infrastructure existing in remote locations, where they travel to in order to escape everyday city life. However, some people seemed to be unaware of the purpose of the infrastructure that they were viewing, and for instance referred to the transmission lines as cell phone towers (P126) or ski lifts (P70). Counter to taking the infrastructure for granted, and as mentioned in the Introduction chapter, the question of transmission line burial or other non-specific transmission alternatives was raised among some of the respondents.

Despite the survey's instructions asking participants to describe the landscape in terms of the scene itself and not the photograph's composition or other features, the lack of focal point in scenes 04, 05 and 11 was commented upon by several participants.

Another minor trend I noticed among the responses was that if there was something in the scene that was easily recognized as human-made such as houses, fences, outbuildings or roads, these features were readily mentioned, either favorably or unfavorably. As described earlier, I had anticipated similar issues if people or readable signs appeared in the scenes, and so avoided including people or readable signage in the photographs.

Finally, to answer the question I asked simply out of curiosity, 21 survey participants took the survey using a handheld device. I can't draw any conclusions from this data, but it is interesting to know that despite including language in the survey introduction discouraging using handheld devices, nearly ten percent of survey respondents did anyway.

Summary

Generally, the survey responses were more scattered than I had anticipated, though trends did emerge opposing the scenes with many transmission towers in seeming disorder. The size of the transmission towers was the most opposed aspect of the scenes, indicating that survey participants were more tolerant of smaller towers or larger towers as long as they are in the distance. In the next chapter, I discuss the survey's strengths and weaknesses, as well as possible improvements that could be made in future applications of the survey.

Chapter 5 : Discussion

Overview

In this chapter, I discuss my experience regarding the development, execution and analysis portions of this thesis, and the survey in particular. Where applicable, I also comment on how this survey instrument could be improved upon for future visual impact research. This chapter is organized into four sections. First, I reflect on the challenges of survey development and distribution, second I discuss the use of photographs in visual impact survey research, next I discuss problems I encountered with the survey questions, and lastly I describe possible improvements that could be made on the survey for future applications.

To bring this work full circle, I think it's important to reflect on the entire process of this thesis work, and to reiterate the overarching issues that drove my interest in this area of study in the first place. Since the implementation of NEPA in 1970, visual impact analyses have been standard parts of the environmental impact analysis process, but is almost exclusively left to trained experts, with little, if any upfront- input from casual observers from the general populace. I continue to argue that the public comment period allotted for individual projects is insufficient and that federal land management agencies ought to consider involving casual observers earlier in the process and more vigorously. As I learned through conducting my survey experiment and as I discuss in this chapter, getting casual observers to articulate what aspects of the visual experience they like and dislike, especially when using a static medium such as photography, is challenging but has strong potential to aid in the development of an approach to visual impact analysis for federal lands that adequately embraces the concerns of the casual observers who visit, use and ultimately support the management of these lands.

Reflections

I am personally pleased with the survey as it was developed, distributed and the responses I received. The types of responses I received have informed my work and will lead to a more robust product , should I have the opportunity to work on visual impact surveys in the future.

Survey Challenges

Getting people to analyze and articulate their feelings about the visual aspects—and *only* the visual aspects—of a landscape scene, with or without transmission lines, was more challenging than I had

anticipated. I was surprised at how many respondents reminisced about childhood memories, road trips and family travel, rather than make any direct statement about the scenes. This makes me consider whether it is reasonable to expect people to be able to tease the visual experience out of their overall experience, or if they are too tightly woven together. When planning my research method, I had considered a field-based approach of intercepting and conducting brief interviews of hikers as they returned from day hikes. This was ruled out for a number of reasons, mostly related to the season in which I would be conducting my research (winter), which simultaneously posed issues of adequate participant recruitment and my own safety. The fact that I would only be engaging a single user group and their biases was also scrutinized and ultimately rejected. Furthermore, had I conducted a survey this way, their responses to my questions about their visual experience would most likely be influenced by *all* of the sensations of the activity they just performed including the fact that they're possibly tired, hungry or uncomfortable. Better, I thought, to try to isolate the visual experience as well as aim for a larger and broader sample size.

Survey Strengths

The greatest strengths of the survey was its ease development and distribution. The Google Docs and Dropbox tools, on which the survey was built as described in the Research Methods chapter were easy to learn and use and employing the snowball sampling technique via e-mail required minimal effort. The fact that the survey participants were anonymous was also helpful, as I can be confident that survey participants whom I know personally were more candid in their responses than they may have been had I performed an in-person questionnaire with them.

While I did not seek feedback on the survey in a methodical way, in the weeks following the survey I encountered several people who told me about their experience with it, and though these were not structured debriefing sessions, the fact that no one suggested that they could not access or did not understand how to take the survey leads me to believe that the web interface was easy to understand and follow. In the same vein, I spoke with several people who told me that they had received an e-mail about the survey, and that they had intended to take the survey but had forgotten or run out of time. This suggests that while e-mail requires minimal effort to send, it is also easy to ignore or postpone.

Survey Weaknesses

If I had stronger web design skills, I could have engineered a website for the survey that would have addressed a few of the weaknesses I have since identified. The first of these that because the survey

appeared as a single continuous page, survey participants were able to scroll back and forth between scenes, comparing them more closely than I would have liked. I am inclined to believe some survey participants in fact did this because their responses for the second appearance of the photo manipulated scenes were either exact copies of their initial responses or they referred to previous scenes accurately by number (i.e.: “same as scene 2 but with powerlines” [P20], or “Really ugly power lines, plus see my comments about Scene Nine” [P 36]). I recognize that these occurrences could conceivably be the result of respondents with exceptional memories, but these occurrences were frequent enough to suggest that the respondents were indeed scrolling back and forth between images.

This is problematic because responses like “see response to scene x” makes response coding difficult and decreases reliability. Firstly, I could not necessarily tell if they were seeing the difference between scenes with and without lines, and second, coding for directions to me on where to find their response to what is actually a different question is not legitimate data. Furthermore I run the risk of inadvertently misinterpreting their initial response in an attempt to fill in subsequent responses for them. In this situation I am also forced wonder if they are truly reacting to the seemingly identical images or if they are simply dismissing the second image as a duplicate.

To prevent these problems in subsequent surveys I would design the website to display only one scene and its associated questions appear per page, with a “next” button or similar at the bottom of each screen. Successful deployment of this redesign would require an extra level of care in programming, because it is reasonable to anticipate that some survey participants would want to navigate backwards (e.g.: click the “back” button) to compare scenes, similar to what I described here. Data collection problems beyond my own technical understanding could arise with a one-scene-at-a-time format and would need to be programmed for, though I know such programming is available.

The second website-specific problem I would anticipate in a larger application of a web-based survey would be the matter of URL vagueness. While I was very pleased with the 230 participants that were recruited for this thesis, if this survey were intended for wider distribution where budget and more rigorous support were available, I would certainly want a more recognizable URL. The reason is twofold: a recognizable URL is both easier to remember and doesn’t raise flags in the mind of a savvy internet user, to whom a URL of randomly generated alphanumeric characters is likely suspect. I can say with relative certainty, that if I were asked to visit a website with a URL resembling the one generated by Dropbox, I probably would not unless it came from a highly trusted source.

No matter how well-designed the survey, however, I would not have been able to address another weakness of an web-based survey, that being how exactly people viewed the survey, that is, the size or resolution of their computer screen, or the use of handheld devices such as web-enabled tablets and cell phones. Utilization of a web-based tool puts this matter completely out of my control.

Use of Photographs

While photographs in any format are an extremely convenient tool for landscape perception research, they are not ideal for a few reasons. They are helpful in that a photograph automatically shunts all of the participant's attention to the visual aspect. The participant viewing a photograph of a landscape is not experiencing the smells, sounds and feel of a that landscape, as in the case of my survey. The viewer is therefore not distracted by these elements, which could conceivably influence their perception, either positively or negatively. However, the immediate and extreme reduction in size—when size is a vital part of the landscape—of a landscape view as captured in a photograph makes the photograph a poor replacement for the real thing. Similarly, converting a three-dimensional scene into a two-dimensional image fundamentally changes the way a viewer perceives the *space* of the landscape.

Furthermore, many respondents commented on the quality of the photographs themselves, such as on the composition, lighting and angle of the camera's view. In hindsight, in addition to the instructions I provided to not critique the photographs themselves, I could have asked participants to imagine themselves in each scene, even suggesting that they imagine themselves as a passenger in a car as scenes 04, 05 and 11 were intended to do.

Field Photography

About half of the survey scenes included the road from which I was taking the photographs, and the road was mentioned 649 times in the survey responses. The majority of these mentions were negative, such as for Scene 07, but sometimes the road garnered positive reactions, such as the lonely highway of Scenes 09 and 14. This prompted me to wonder about the staticness of roads in photographs that causes them to be so readily noticed and commented upon. If I were in a car with the survey participants and we drove past or through the same scenes that appeared in the survey and I asked them "what do you like or dislike about what you see outside?" I imagine that they would not respond with "the road" as frequently as was recorded in the survey responses. This leads me to wonder if it would be better to use photographs free of roads, even to the point of disguising them or cropping them

out. This seems disingenuous when the purpose of the photograph itself is trying to capture what we actually see when we are traveling through these landscapes.

While it seemed to apply most frequently to the roads in the case of this survey, this suggested phenomenon of staticness drawing the viewer's attention applies to any feature of the landscape, and indeed also applied to the transmission lines themselves. Regarding the transmission lines, one survey respondent stated that "[t]hey're not as noticeable when you're driving past them vs a static shot of them" (P185). The same argument could be made for other features that would normally go unnoticed when actually viewed while in motion, such as the fences as in Scenes 02 and 04, a utility box in Scenes 04 and 10, a road maker in Scenes 09 and 14, and the cars in Scene 15.

Photo Manipulation and Repeated Scenes

While altering some of the images was necessary in order to determine whether or not participants would notice transmission lines in the landscape scenes given different combinations of distance, density and tower design, I am concerned that some of the survey participants who noticed that a scene had been repeated may have focused more on the alteration itself, rather than considering each of the scenes as a whole. In fact, Photoshop was mentioned specifically in reference to the altered images six times, and of these, the respondent was usually telling me that they had seen the difference, but then offered no insight as to whether the alteration changed their opinion of the scene. For instance, one respondent wrote "That Photoshop can do such a good job with power poles" (P96). I wish that this respondent would have written about how he noticed the transmission lines in the second image, rather than simply pointing out that he understood that Photoshop had been used to manipulate the images. I am concerned that this participant, and likely others, now that they were aware that altered photos were being used, would simply look for the difference between the two images, rather than writing about each scene at face value.

In considering how to avoid this undesired attention to alteration in a subsequent survey, the idea of pairing the photos in a side-by-side manner—unaltered on the left and altered on the right, for instance—would circumvent the issue by essentially informing the respondent that altered photos were being used and that their preference for one scene or the other was being sought. I opted not to attempt side-by-side displays of photos, as discussed in the Research Methods section.

Another potential problem with using image repetition is that respondents may have not given the second appearance of a scene the same amount of attention as they gave the first, especially if they

believed that they had already viewed that exact image, or if, as some respondents and anecdotal feedback about the survey indicated, they believed the second appearance of the scene to be a mistake on my part. It is reasonable to assume that if a participant believed that what they were viewing was either of these, that they would simply move on to the next scene, rather than simply write about what they liked and disliked about each scene as they moved through the survey.

Furthermore, I wish to point out that I am aware that my photo manipulation skills are mediocre, and that the photo manipulation that involved adding of transmission lines was likely not very convincing to some survey participants, quite possibly to the point of distraction to a viewer familiar with photo manipulation.

Survey Questions

It seems to me in retrospect and given the types of responses I received, that asking the participants to simply describe what they saw in the scenes may have been not only easier instructions to follow by not putting the participants “on the spot,” but also would have yielded more directly relevant responses to each scene. Asking participants to describe the scene would put less pressure on them to find something they specifically liked or disliked, as some anecdotal feedback suggested. Furthermore I think this approach would passively discourage participants from making comments about how the scene reminds them of something from their childhood for instance, or from writing commentary about how electricity is required for modern conveniences, and therefore transmission lines are a fact of life. Asking participants to describe the scene would also put less pressure on them to find something they specifically liked or disliked, as some anecdotal feedback suggested. While these items are interesting insights into how people feel about transmission lines and modern infrastructure generally, it deviated from my goal of gauging how casual observers perceive the visual effect of transmission lines in rural and wildland landscapes. I feel that the six-point Likert scale was a successful tool due to its ease of comprehension and meaning, and it offered the ability to participate without investing more than a minute or two. In fact, ten survey respondents utilized only the scales and offered no written answers, whereas no survey respondents entered written answers but no Likert scale ratings.

Possible Improvements

The last of my initial research questions was to examine how this instrument could be developed and improved to accurately and thoroughly gauge the visual experience of the casual observer. While I feel that the survey was a success generally, upon reflection and after sifting through the responses, I have

gained some insights and developed some ideas on how the survey could be improved for future applications, which I outline here.

While the snowball sample technique served me well given my thesis schedule and available resources, it would clearly not withstand the rigor of traditional research peer review, nor would it be effective, as a sole technique, for recruiting a large enough number of participants for a representative data set. With budget and time, I would propose investing in some advertising, such as was proved effective by Roth (2006), who advertised on websites directly, as well as running advertisements in online forums and e-newsletters to recruit participants for his test of web-based landscape survey techniques.

When I was developing the introductory language for the beginning of the survey, I was very wary of losing the attention of recruited participants, so I was very careful to keep the instructions clear and concise, which I still feel was beneficial, but if I were to conduct a similar survey with broader and more invested recruitment similar to what I have just described, I would consider including an example of the type of response I am seeking. The risk in providing an example is that it may unintentionally lead the participants into noticing and describing certain elements in the image that they might not otherwise have noticed or named. One way to avoid this would be to use non-rural or wildland images, such as an interior scene or a city park, and certainly, nothing with transmission lines. To make the samples less prominent in the event that survey participants are uninterested in viewing them, I would consider creating separate pages for them that would be linked to the introductory text in an obvious way.

As described throughout this chapter, I would make technical changes to the web interface, including a format that displayed only one scene and its associated questions at a time, in an attempt to encourage participants to examine each scene and to write about each one separately, rather than direct the analyst to a previous answer. I selected the six-point scale so as to eliminate a neutral rating for the purposes of my thesis, but for a broader, more thorough research project, I would consider using either a five- or seven-point scale, granting the option of a neutral rating.

Also described earlier, instead of asking survey participants what do they like or dislike and then for additional comments about each scene, I would simplify and streamline the written answers question, instead asking the survey participants to describe the scenes. This would not only reduce pressure on the participants to find things that they like *and* dislike—which may or may not be visual in nature—but would also serve as a more intuitive prompt for participants to enter the *visual* information I am

seeking, and less likely be interpreted as an invitation to offer commentary on the industrialization of the countryside.

Another way the open-ended question caused problems for this pilot survey was that of inconsistent inputs of the same data. For instance, on page 33, I stated that 18 respondents described themselves as landscape architects or landscape architecture students. While I am confident that the statement is accurate, the actuality is that because I allowed participants to describe themselves, rather than select from a prepared list of occupations or areas of study, for instance, these 18 people actually described themselves exactly as follows, in the order of survey participation:

Landscape Architect
 landscape architecture student currently. previously environmental policy and education professional
 Landscape Architecture
 Landscape design.
 Landscape Architecture & Urban Planning student.
 Landscape student
 MLA Student
 landscape architecture student
 LA student
 Landscape Architecture
 MLA student :)
 Landscape architecture student
 Landscape Architecture/Landscape Historian
 landscape architecture student
 Landscape architect
 Landscape architecture! I hope you have better luck than I have had at finding work....
 Landscape architecture.

This same phenomenon occurred for other survey questions, as well as misspellings, typographical errors, slang and responses that imply but do not explicitly express an opinion, such as one respondent who wrote "That seems a bit much, don't you think?" (P1) in response to Scene 15. Responses like these exacerbated, and in some cases I believe, thwarted the collection of usable data. Such anomalies are likely statistically insignificant, but to remedy this in future iterations of the survey, I would consider the development of a list of descriptors from which survey participants could select as many as they wish (Roth, 2006). Not wanting to corner participants into prescribed answers however, or worse, prompt survey participants to subconsciously look for and acknowledge the features listed, namely for power lines, which would counteract the entire purpose of the survey, I would need to test this item thoroughly before applying it.

Based on the responses I received on the survey I conducted, the majority of respondents had noticed the appearance of transmission lines throughout the survey, save for the first four “trial” images. In fact some respondents seemed irritated by the repeated appearance of the transmission lines and commented on them, such as “Get over [the]power lines” (P108). One respondent even dropped out the survey after commenting on Scene 05:

Is this whole thing an assessment on what people think about man's intrusion into nature? How we decimate everything that is organically beautiful? Cos if it is [*sic*], I get it but not sure if I want to answer like 100 of the same but differently worded or pictured questions... (P55)

Which raises the question, at what point do survey participants become aware of the pattern of transmission lines in the scenes and begin actively looking for the transmission lines, rather than taking in each scene as a whole, and how can this be avoided? It seems reasonable that diluting the pool with scenes that do not include transmission lines, possibly increasing the total number of landscape images by several times, paired with a randomized display of scenes, would help break up the pattern of the appearance of transmission lines and thus reduce instances of survey respondents keying on them. The disadvantage of this model is that it would take longer to complete, which increases the importance of effective participant recruitment.

Summary

I think the pilot survey instrument I developed and conducted was a good start, but there are many ways in which it could be improved for future use.

Chapter 6 : Conclusion

Summary

The permitting and construction of new transmission lines on federal lands is going to continue to be a challenge for electrical system designers, policy makers, and the public, as political, environmental and technical pressures force Americans to turn our attention to domestic and renewable energy sources.

The survey results suggest that casual observers perceive transmission lines in vastly different ways. Some people barely notice them, while some people recognize that they are there but not necessarily what they do, and other people consciously appreciate the non-natural structure they bring to the landscape. Another group identified in the survey results didn't seem to mind the visual impacts for themselves, but were concerned rather, for the impact the transmission lines make on the landscape's ecological processes. So clearly one approach to transmission line design will not suit all federal land visitors, but bringing the voice of the casual observer into the conversation at an earlier point may gain some tolerance of these necessary structures among the public.

As intended, the pilot survey I developed to gauge perception of visual impacts among casual observers was a successful beginning, but not an answer in itself. Not only would the survey instrument have to be modified and improved to collect an adequate data set, but shifts within the federal land management agencies would have to occur in order for the survey results to offer any influence on the design and siting of transmission lines as they continue to impact our federal lands. Or indeed, of the buried transmission lines, should advances in technology, and therefore reduction in costs, support it.

As outlined in the Discussion chapter, I would make these improvements to the survey instrument if another survey was deemed useful:

1. Improved web programming. Have the survey programmed for randomized scene display.
2. Navigating the survey page one page at a time. Ability for participants to scroll back and forth was inelegant and may have influenced or corrupted responses rather than eased in the collection of fresh data.
3. Ask for more pointed responses to the questions and provide instructions accordingly, even providing examples. Don't be afraid to ask for the exact kind of responses being sought.

4. Improved photo manipulation skills would help create more convincing scenes and would increase the ways in which the transmission line variables could be configured for iterative and more focused studies.
5. A formal sampling technique would be required. The snowball sampling is acceptable for the purposes of an academic thesis project, but would not withstand scientific or professional rigor of a funded research project.
6. Following the previous item, a formal survey sample would likely open the door for an increased number of scenes. That is, if participants have knowingly dedicated an entire hour to the survey, their full attention can be harnessed, potentially resulting in more insightful data.

Final Thoughts

I came to this work with some professional experience of using static photographs to illustrate visual impacts to the landscape for large scale energy projects including high-voltage transmission lines. As one of the experts described earlier in this thesis, I had often wondered if casual observers did in fact notice these projects just as readily as we believed them to, or was I simply justifying the projects and dismissing the valid concerns of the public? While I have found myself surprised at the number of people who adamantly disliked the transmission lines in the survey scenes, I wonder how much of that is inherent to the use of photographs, and how we can better we can reconcile the visual experience in the landscape with the reproduced visual experience for research purposes.

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Appendix A: Summary of Survey Images

Scene number and description	Landscape type	Actual location	Manipulated?	Thumbnail
Scene 01 (trial image): An attractive but generic, forested scene with no structures or infrastructure.	Forested	Pasayten Wilderness Area, Okanagan County, Washington	No	
Scene 02 (trial image): A typical rural development in the mountains with no transmission lines.	Rural	Nelson-Siding Road, near Easton, Kittitas County, Washington	Yes The original photograph of this scene (Scene 08) shows two distant transmission lines. Scene 02 was manipulated via Adobe Photoshop to remove the transmission lines.	
Scene 03 (trial image): An arid landscape scene with no high voltage transmission lines, but some residential development in the foreground.	Arid	Near Elmer City, Okanagan County, Washington	No	
Scene 04: A forested landscape with some rural development in the middleground, but no transmission lines.	Forested	Along State Route 9 near Sedro-Woolley, Skagit County, Washington	Yes This photograph was manipulated in Adobe Photoshop to remove three transmission lines that run along the toe of the hillside as well as an overhead distribution line in the foreground. These transmission lines are visible in Scene 10, which was taken at the same location.	

Scene number and description	Landscape type	Actual location	Manipulated?	Thumbnail
<p>Scene 05: A non-descript agricultural field with a prominent H-frame style transmission line in the foreground, disappearing through a break in the trees.</p>	<p>Rural</p>	<p>Along State Route 9 near Deming, Whatcom County, Washington</p>	<p>Yes This photograph was manipulated in Adobe Photoshop and Adobe Illustrator to add the H-frame towers and conductors to the scene. The same original photograph was used in Scene 11, but different tower types were added.</p>	
<p>Scene 06: An arid landscape criss-crossed by several transmission lines of various tower styles and distances from the viewer, due to the proximity to the Wanapum Dam on the Columbia River.</p>	<p>Arid</p>	<p>Wanapum Dam Viewpoint, Grant County, Washington</p>	<p>No</p>	
<p>Scene 07: A forested landscape featuring a hard-to-miss set of transmission towers are situated on the distant ridgeline.</p>	<p>Forested</p>	<p>Interstate 90 near Indian John Hill in Kittitas County, Washington</p>	<p>No</p>	
<p>Scene 08: A typical rural development in the mountains with transmission lines in the background.</p>	<p>Rural</p>	<p>Nelson-Siding Road, near Easton, Kittitas County, Washington</p>	<p>Yes The original photograph from which Scene 02 was developed, two transmission lines can be seen in the distance.</p>	

Scene number and description	Landscape type	Actual location	Manipulated?	Thumbnail
<p>Scene 09: An arid landscape. This scene shows a series of monopole transmission towers following the road and disappearing into the distance.</p>	Arid	Beverly-Burke Road South, near Wanapum Dam, Grant County, Washington	<p>No This is the original photograph from which Scene 14 was generated.</p>	
<p>Scene 10: A forested landscape scene with some rural development in the middleground as well as transmission lines in the background.</p>	Forested	Along State Route 9 near Sedro-Woolley, Skagit County, Washington	<p>No Taken at the same location as Scene 04, this photograph includes three existing transmission lines along the toe of the hillside slope and a distribution line in the foreground.</p>	
<p>Scene 11: A rural landscape scene with a prominent monopole style transmission line in the foreground, disappearing through a break in the trees.</p>	Rural	Along State Route 9 near Deming, Whatcom County, Washington	<p>Yes Using the same original photograph as Scene 05, this photograph was manipulated with Adobe Photoshop and Adobe Illustrator to add the monopole style transmission line and conductors.</p>	
<p>Scene 12: An arid landscape scene. The hydropower from the dam requires a veritable forest of transmission towers of numerous sizes and shapes at a variety of distances from the viewer. These conditions are very similar to Scene 06, but was included due to the different background features.</p>	Arid	Beverly-Burke Road South, near Wanapum Dam in Grant County, Washington	<p>No</p>	

Scene number and description	Landscape type	Actual location	Manipulated?	Thumbnail
<p>Scene 13: A forested landscape scene different from most, taken from The snow persisting in the cleared corridor potentially emphasizes the transmission lines, but was determined to be a legitimate scene for the forested landscape type, representing in particular the view of a hiker or backcountry traveler.</p>	Forested	<p>Forest Service Road 4823 near Easton, Kittitas County, Washington.</p>	No	
<p>Scene 14: An arid landscape scene. This scene shows a series of monopole transmission towers following the road and disappearing into the distance.</p>	Arid	<p>Beverly-Burke Road South, near Wanapum Dam in Grant County, Washington</p>	<p>Yes This scene uses the original photograph from Scene 09, modified using Adobe Photoshop to replace the monopole style towers with lattice style towers.</p>	
<p>Scene 15: This location, is not so strongly associated with any one landscape type, but rather aims to see how survey participants feel about a series of transmission lines passing overhead as they drive through what is otherwise a rather scenic area.</p>	n/a	<p>Along Interstate 90 near Indian John Hill in Kittitas County, Washington</p>	No	

Appendix B: The Survey

Landscape Scene Survey

Thank you for visiting!

I am a graduate student in the Masters of Landscape Architecture program at the University of Washington, and I am conducting a survey of people's responses to different landscape scenes. The survey consists of a series of 15 landscape images and a few simple questions at the end. **THIS SURVEY IS ANONYMOUS.**

Using the scale below each of the following photographs please rate of the scenes, evaluating the landscapes themselves, not the photographs. Please also answer the questions about the scenes and use the comment field to enter any additional thoughts on the scenes.

Note: Utilizing a large screen is recommended, if possible.

Note: This survey is intended for people aged 18 and up. If you are a minor, please do not submit this survey.

Please rate Scene 1, below



1 2 3 4 5 6

Dislike Like

What do you LIKE about Scene1?

What do you DISLIKE about Scene 1?

Additional comments on Scene 1

Please rate Scene 2, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 2?

What do you DISLIKE about Scene 2?

Additional comments on Scene 2

Please rate Scene 3, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 3?

What do you DISLIKE about Scene 3?

Additional comments on Scene 3

Please rate Scene 4, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 4?

What do you DISLIKE about Scene 4?

Additional comments on Scene 4

Please rate Scene 5, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 5?

What do you DISLIKE about Scene 5?

Additional comments on Scene 5



Please rate Scene 6, below

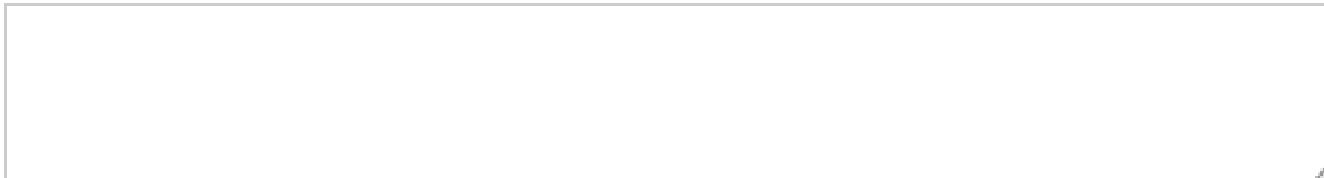


1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 6?

What do you DISLIKE about Scene 6?

Additional comments on Scene 6



Please rate Scene 7, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 7?

What do you DISLIKE about Scene 7?

Additional comments on Scene 7

Please rate Scene 8, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 8?

What do you DISLIKE about Scene 8?

Additional comments on Scene 8

Please rate Scene 9, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 9?

What do you DISLIKE about Scene 9?

Additional comments on Scene 9

Please rate Scene 10, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 10?

What do you DISLIKE about Scene 10?

Additional comments on Scene 10

Please rate Scene 11, below



1 2 3 4 5 6

Dislike Like

What do you LIKE about Scene 11?

What do you DISLIKE about Scene 11?

Additional comments on Scene 11

Please rate Scene 12, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 12?

What do you DISLIKE about Scene 12?

Additional comments on Scene 12

Please rate Scene 13, below



1 2 3 4 5 6

Dislike Like

What do you LIKE about Scene 13?

What do you DISLIKE about Scene 13?

Additional comments on Scene 13

Please rate Scene 14, below



1 2 3 4 5 6
Dislike Like

What do you LIKE about Scene 14?

What do you DISLIKE about Scene 14?

Additional comments on Scene 14

Please rate Scene 15, below



1 2 3 4 5 6

Dislike Like

What do you LIKE about Scene 15?

What do you DISLIKE about Scene 15?

Additional comments on Scene 15

How often do you recreate or enjoy time outdoors or in rural areas?

- Often
- Sometimes

- Rarely
 Never

When travelling in rural areas, do you ever notice large power lines in the landscape?
Have you ever felt that the power lines were affecting your visual experience? How?

Your age:

- 18 - 30
 31 - 64
 65 +

Sex:

- Female
 Male

Occupation / Field of Study:

(Please enter your most recent occupation or field of study. If you are a student, retired, etc., please indicate this as well.)

Did you take this survey on a handheld device?

(e.g.: a smartphone, tablet or similar device)

- No
 Yes

Submit

Thank you for your time.

If you have any questions about the survey or my research, please feel free to contact me at slusser@uw.edu.

Recommend

12 people
recommend
this

Appendix C: Survey Distribution E-mail



Andrea Slusser <amslusser@gmail.com>

Thesis help!

1 message

Andrea Slusser <amslusser@gmail.com>

Mon, Mar 19, 2012 at 5:27 PM

To: larcmla2@uw.edu

Hi there! As most of you know, I am knee-deep in my master's thesis these days, and I need your help. I have developed a simple web-based survey that I need to distribute widely and quickly, and that's where you come in. Please take the survey and forward the URL and message below to friends, family and anyone else (they need not be acquainted with me). Post it to your Facebook or other networking pages, but please discourage children from taking it (this is simply a legal restriction, not because the survey is "mature").

<http://db.tt/CrbBFaaJ>

Feel free to edit the message below as necessary (it's OK to use my name) or write your own. Let me know if you have any questions!

With many thanks and sincere gratitude,

Andi Slusser

3rd year MLA

=====

Hello, a friend of mine is conducting a web-based survey for her Master's thesis, which should only take 10-15 minutes to complete, and is completely anonymous. Go to this page to take the survey, and feel free to pass it on -- she's hoping to distribute the survey to folks age 18+, far and wide. The survey will close at midnight, Sunday April 8th.

<http://db.tt/CrbBFaaJ>

Appendix D: Human Subjects Review Exemption Letter



HUMAN SUBJECTS DIVISION

Date: 2/21/2012

PI: Ms. Andrea Slusser
Graduate Student
College of Built Environment/Landscape Architecture

CC: Ken Yocom

RE: HSD study #42393
"Transmission Lines in Wildland Landscapes: Gauging Visual Impact Threshold"

Dear Ms. Slusser:

The University of Washington Human Subjects Division (HSD) has determined that your research qualifies for exempt status in accordance with the federal regulations under 45 CFR 46.101/ 21 CFR 56.104. Details of this determination are as follows:

Exempt category determination: **2**

Determination period: **2/21/2012 - 2/20/2017**.

Although research that qualifies for exempt status is not governed by federal requirements for research involving human subjects, investigators still have a responsibility to protect the rights and welfare of their subjects, and are expected to conduct their research in accordance with the ethical principles of *Justice, Beneficence* and *Respect for Persons*, as described in the Belmont Report, as well as with state and local institutional policy.

Determination Period: An exempt determination is valid for five years from the date of the determination, as long as the nature of the research activity remains the same. If there is any substantive change to the activity that has determined to be exempt, one that alters the overall design, procedures, or risk/benefit ratio to subjects, the exempt determination will no longer be valid. Exempt determinations expire automatically at the end of the five-year period. If you complete your project before the end of the determination period, it is not necessary to make a formal request that your study be closed. Should you need to continue your research activity beyond the five-year determination period, you will need to submit a new *Exempt Status Request* form for review and determination *prior to implementation*.

Revisions: Only modifications that are deemed "minor" are allowable, in other words, modifications that do not change the nature of the research and therefore do not affect the validity of the exempt determination. **Please refer to the Guidance document for more information about what are considered minor changes.** If changes that are considered to be "substantive" occur to the research, that is, changes that alter the nature of the research and therefore affect the validity of the exempt determination, a new *Exempt Status Request* must be submitted to HSD for review and determination *prior to implementation*.

Problems: If issues should arise during the conduct of the research, such as unanticipated problems, adverse events or any problem that may increase the risk to the human subjects and change the category of review, notify HSD promptly. Any complaints from subjects pertaining to the risk and benefits of the research must be reported to HSD.

Please use the HSD study number listed above on any forms submitted which relate to this research, or on any correspondence with the HSD office.

Good luck in your research. If we can be of further assistance, please contact us at (206) 543-0098 or via email at hsdinfo@uw.edu. Thank you for your cooperation.

Sincerely,

Bailey Bell
Human Subjects Review Coordinator
(206) 221-7918
bbell3@uw.edu

4333 Brooklyn Ave. NE, Box 359470 Seattle, WA 98195-9470

main 206.543.0098 fax 206.543.9218 hsdinfo@uw.edu www.washington.edu/research/hsd

Appendix E: Survey Results

SURVEY RESPONSES FOR SCENE 01

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P1	6	The green trees.	nothing?	It's nice.
P2	6	composition, recessional space, safety (river will get me out eventually), beauty, ruggedness, mountains, river, water, warmth, warm colors	not sure about those burned out trees, easy way to travel	
P3	6	peaceful and clean		The composition fo the photo could be better. taken from a clightly different angle, and elimnating the stump on the right side, would make the photo look less messy. However, nature is messy, and that comment is based purely on the composition of the view.
P4	4	The trees.	The dead trees.	
P5	6	textural variety	I like it.	
P6	5			
P7	6	It's calm and peaceful looking.	some of th trees seem to be dead and uprooted.	
P8	6	It looks like home.		
P9	5	sky mountains rocks and living trees	looks like it was logged	
P10	5	It is natural beauty	Cant pitch a tent right there	
P11	4	The wildness.	Too many dead or brown tree in direct line of sight.	
P12	4	Pretty nice looking timber off to the sides of the SMZ.	It sadens me to see wasted timber laying around that could have been used.	
P13	5	Sunshine and tall healthy trees	Lots of detritus	
P14	5	Pretty view. Appears relatively unspoiled.	Large number of dead trees--beetle kill?	Is there a cabin or some kind of structure in the trees in the lower left center of the picture? Hard to tell.
P15	6	It's wild and natural.	Nothing.	
P16	4	the depth of the valley	trees in near ground seem thinned out; lots of downed snags in near ground	
P17	3	The mountains	The riverbed?	
P18	5	Natural		

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P19	5	I like the colors and the mix of bright green trees with dead wood.	nothing	
P20	5	i like the river rocks and the mountain in the distance	there are a number of dead trees	
P21	6	It is what you see in nature while hiking in the North Cascades. Mountains, trees, and some landslide caused from melting snow and rushing water.		
P22	4	The contrast of textures and Objects. I love the colors of rocks and the beautiful driftwood.	Nothing	
P23	6	Beautiful scenery	Nothing	
P24	3	At least there's some water that still appears to be flowing in the stream.	The ecosystem somehow strikes me as not being very healthy appearing. Water level extremely low in the stream, which could be natural, but there appears to be a lot of dead wood, not just lining the streambanks but the forest itself also seems sparse. Not a lot of riparian cover. Either soil conditions aren't good, or there's something else going on. Appears to be 2nd growth forest that was initially logged right to the stream edge, if not over or through it.	
P25	4	The rocks make this look like a dry stream bed. I also like the mountains.	All the trees fallen on either side of the rocks. I wonder if they were cut down and left.	
P26	6	uninterrupted wilderness	nothing	
P27	6	the variety of nature to look at		

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P28	4	It reminds me of my inlaws cabin in the Rockies. I love the clear evidence of valley glaciation in the distance, as well as erosive force of moving water on the rocks in the foreground.	While it is beautiful scene, I'm to aware of the potential for forest fire without proper forest maintenance. I see way to may trees that are dead and dying that are fire fuel in the picture, amongst healthy trees.	
P29	4	Natural, green, lush	lots of dead wood	
P30	4	Embracing bowl-like arrangement, variety of heights and textures, distant view.	Dry river bed looks uninviting, bowl effect could feel too confined.	
P31	5	Its rustic and natural. You can tell many of the trees were destroyed a few years ago and young growth is coming back. It shows nature reborn, which is nice to look at.	The distance is stark with little to look at. The rocks up close are vibrant in their own way, while the distance is dull.	
P32	6	I like that extremes of elevation are visible, and the somewhat muted sunlight. Also, the clouds and river give the picture a sense of life and motion.	The tree trunk in the right foreground is a little visually distracting.	
P33	4	WATER	DEAD LANDSCAPT	
P34	4	mountains, sky, rocks	broken (burnt) trees	
P35	4	The trees and mountains	The rocks and downed trees	
P36	5	Peaceful. Interesting contrasting textures and colors. Movement of the water.	Nothing.	
P37	5	I like the randomness of the downed trees, the fact that the running water looks low enough to step across it, and the feeling of invitation I get - "come here, walk among these rocks, you'll love it!"		
P38	5	the streambed and water, and that it doesn't appear to be logged	many standing dead trees	
P39	6	The stream, the greenery mountains and the blue sky with the contrast of the white puffy clouds	Fallen trees and dead trees	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P40	3	Trees	Feel claustrophobic	Feel like the mountain is in the way
P41	6	The natural setting and view.	down trees.	
P42	4	the openness give me a longing to be there!	too much riverbed not enough river	
P43	3	Open - looks like I could walk for miles. The stream is nice.	Many dead trees. Kind of a grey feel.	
P44	6	The natural setting	Nothing	
P45	6	Its very pretty, and captures alot in one photo	the clouds	
P46	3	The mountains in the back	the dead wood along the sides	
P47	3	It seems like up ahead the forest is thicker, more lush.	At first glance it feels like the area has been logged. Then with further review it appears that a stream overflow caused the	with further review it appears that a stream overflow caused the void in trees.
P48	6	Appears to be untouched wilderness		
P49	5	"naturalness" of it.... the variety of shapes, textures, colors	what's that pink thing? some of the trees look dead. snow on the mountains would make it prettier. air looks a little hazy/purple.	
P50	5	wide vista. Nature. Isolation.	No visible trail.	
P51	5	creekbed and backdrop of hills in the distance	the trees appear disturbed	
P52	5	nice valley bottom with running water and view of mountains in the distance with no visible clear cuts. Like the fluffy clouds and blue skies in the background. Appears to be free of infrastructure or human impact.	The downed trees in the foreground.	I live in the desert so this scene is also appealing to me because it is different than my daily views.
P53	5	I love the green trees against the dark mountains with the white fluffy clouds and blue sky peeking through.	The lack of water.	
P54	4	There are no people in it.	The trees look like they have been stressed.	
P55	5	The gorgeous backdrop of the green mountains and all the evergreens.	The knocked down trees.	
P56	4	Trees	All the dead trees	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P57	6	I like that it is nature, that it is some place I would like to go for a hike away from the city. It looks quiet, with an opportunity to hear, see and feel the wilds around you.	Something seems to be killing the pine trees	It looks like a great place to explore.
P58	6	It's very refreshing and calm but the movement of the water balances that with some action.	nothing.	
P59	4	The natural setting--mountains and trees!	The rocks and broken down trees in the forefront.	
P60	3	path into distance, mountain vista	dead trees, branches on ground	
P61	4	Nice mountains in the background, looks like either an avalanche chute or stream or both in the foreground, which is interesting. Looks like a great place to hike.	Photo isn't great quality. Sad to see all the ripped up trees and the ones dying (likely from pine beetles) throughout--that's just depressing. Also, it points downhill and focuses on the single color of the rocks.	
P62	6	River landscape <3 Rugged nature. Signs of wildfire & fallen trees.	Nothing	Makes me wanna get outside!
P63	5	The hint of solitude and really the cool power of nature.	Rocky western streams. So new. So messy.	
P64	4	There's greenery, mountains that offer different elevations in the background, and water.	The landscape seems dry, cluttered with too many downed trees. The forest area isn't that thick. There's very little shade.	
P65	5	View of mountains Living trees	Scrubby riverbed Dead trees	
P66	6	Unplanned, unpopulated, natural	multiple tree snags. Dead or dying trees along the waterway.	The color of the river rock is a good contrast with the trees and underbrush.
P67	6	Here, the complex order is intriguing. Multiple layers of vegetation, levels of life, succession, and dimension is key.	At face value, very little about this view is dislikeable. However, concerns do arise over the health of this system, seeing the high density of snags, is there a pine beetle infestation?	
P68	4	it is wild, could be good habitat for all sorts of birds and animals.	The trees are so close together and seem all the same age. Some are dead. It might be a second growth forest.	I think I see signs of a forest fire on the hill to the left. This looks like a stream which floods seasonally.

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P69	3	No houses, people, man-made etc. I like the sun shining on the hills in the background.	Dead trees dominate the foreground, middle-ground of the scene.	I bet if this was taken from a different angle, or with greenery in the foreground it might make me rate the scene higher. If I were here in person I would rate it MUCH more highly because of the sensory smells/sounds of the forest and water. These are obviously absent when looking at the photo.
P70	4	The trees and the mountains in the distance	the upended trees. though it looks natural, the really large root system on the right is unsettling.	
P71	4	Open space, sunshine, natural environment	forest/trees don't look entirely healthy ... doesn't look exactly like fire damage ... Insect infestation? Also closer examination ... are those clear cuts in the background?	My perception of man's negative impact on the natural environment directly impacts my enjoyment.
P72	4	Nature without human interference.	nothing	
P73	6	Green, wooded area. Presence of a variety of plants - overstory and understory. Presence of large woody debris in the stream system. Wide cobbley channel. Evidence that fire has been allowed to refresh the landscape.	Evidence of some sustainable logging would be good to see, too.	
P74	6	Trees, mountains, blue sky, feeling of clean air, looks like a stream bed.	Nothing. It looks natural	
P75	4	the presence of rootwads :)	low water levels	
P76	4	It looks like natural processes are allowed to unfold somewhat unhindered.	It looks somewhat unhealthy, like the forested area is in decline.	
P77	4	Natural beauty--really natural	glad my yard is more organized, but this would knock my socks off if I were wandering in the wilderness	
P78	5	The density of of trees and the view beyond, its also very green	the line though the trees doesnt seem natural	
P79	4	I like the raw natural feeling of the foreground.	The denuded hills in the background that have been heavily logged.	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P80	5	The descending perspective of the trees and apparent river bed.	The dead trees	
P81	5			
P82	5			
P83	3			
P84	6	I makes me think of hiking and camping and being outside.	There are many better views of the backcountry	
P85	4	trees that are alive and mountains	trees that are dead	
P86	4	The foreground trees and the background mountains.	The broken trees in the dry stream bead.	
P87	2	I like the top part, the sky and trees.	I do not like to number of downed trees.	
P88	4	mountains and river, sun	dead trees, dryness (lack of water)	
P89	6	No human signs.		
P90	6	love the mtns	nothing	
P91	6	Wilderness, empty creek bed anticipating change		
P92	6	I like the naturalness of it. No evidence of mankind, not even of clearing the waterway of old timber.	Nothing.	Would enjoy camping there.
P93	3	trees and mountains	rocks and dead logs	
P94	5	Rocks and view to the next ridge.	So many downed trees in the creek, potential hazard if flooded or fast moving water occurs.	
P95	5	Relaxing scene of nature	What seems like destruction illustrated by the dead trees.	
P96	6	It reminds me of my annual ski trips into Spanish camp because this looks to be about the 2nd debris flow across the Andrews Creek Trail.	The rocks and logs look a little messy.	
P97	3	The mountains with the clouds and green trees.	The dead trees.	
P98	5	water, evidence of its power. Trees and hills	uncertain where to go, no clear human path	
P99	4	I like the contrast of white rocks against the green trees.	The downed trees look like left over burn. Maybe 1-2 would have been okay.	
P100	6	The trees and clouds.	Nothing, it's a lovely photo.	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P101	5	It looks very still and quiet.	The fallen trees hint at previous destruction or chaos. That is somewhat unnerving.	
P102	4	A flood event could have caused the downed trees and die back rather than the stream/river being used as a 'highway'	The rocks lining the bed are very uniform and there is not much shade over the creek	I'm not really sure what I should be looking for
P103	5	Trees	Downed trees, dead trees	
P104	5	The photo seems to be well centered.	Although you can't change this landscape, the over burden of fallen trees takes away the natural contours of the river bed. also, if taken at the height of spring run off the balance of water and the tree line would afford a more scenic view.	
P105	4	The trees juxtaposed with the rocks and stream bed, with hills in the background.	The trees seem distanced from the other trees, giving the photo a thin look.	
P106	5	Forest not obviously touched by man, but there has been fire.		
P107	4	Its naturalness	so much broken trees	
P108	6	It shows the natural creek...looks like there was a fire in the last 10 years		
P109	3	It's in what should be a nice mountain area.	All the dead and fallen trees.	
P110	5	The mountains, the trees, the rocks	The trees look a little unhealthy, the rocks and tree debris show signs of recent ... trauma?	The conscious brain says this is a scene showing a transitional or unstable zone. The aesthetic/emotional response is: unstable is bad.
P111	6	It looks natural.	Nothing.	
P112	6	The water	Some trees seem damaged or unhealthy	It looks like a mountain stream bed that may have experienced an unusual flood. Am I looking upstream or downstream? What's around the bend just out of sight?

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P113	4	Shows expansive, rugged, beautiful nature.	In foreground, shows evidence of fire damage and flood flows from fire and erosion damage.	All damage which appears seems to be from natural causes, reflecting the continuous ebb and flow of the vagaries of nature.
P114	4	being in the mountains, the trees, far-off vista	scree field in foreground detracts from green feeling	
P115	5	It's natural		
P116	4	Pristine	Dead trees	
P117	6	It looks minimally disturbed	There's a lot of die back in the trees - disease or natural?	
P118	6	rolling hills, trees	the rock is very engineered. looks like someone just chopped down trees at the edges and just left them there- doesn't show care about the area	
P119	5	Lush forest, water in stream, naturally fallen trees, (not deforested intentionally by humans), mountains, apparent wilderness, clean fresh air.		The stream could have more water in it. Not sure if it's from a reservoir or drought, or end of summer and little rain.
P120	5	I like the standing trees, mountains and creek. This is obviously a steep and high energy/gradient watershed. I like the "raw state" that it appears to be in. Even if the apparent damage to the standing trees is from human induced fire or pest introduction, I appreciate the dead wood left alone where it can actively participate in ecological processes.	My initial thoughts are concerned with the cause of the dead trees/ apparent scars on the hillside and I do not like the thought that these were human-induced.	
P121	6	Natural look	Downed trees	
P122	6	Looks like good elk hunting country!	nothing	Nature's beauty---leave it alone.
P123	6	Wild, remote, unsullied by construction and electrical lines.		
P124	6	It looks very natural, plus I really like tall pine trees.		
P125	6	Nature. Although perhaps is managed, it looks pristine and untouched. The human element is missing.	Nothing.	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P126	5	WATER, TREES MOUNTAINS, NO PEOPLE	SMALL ROCKS	
P127	4	beautiful rocks and trees,stream,hills,	dead trees, sky uninteresting	
P128	5	The mountains, the sky, the brook	The dead and fallen trees	
P129	3	Trees, sky	Debris	
P130	3	The mountains, mature trees, and small streambed	The amount fallen & dying/dead trees	
P131	6	Natural flow, environment not tailor made for humans	That I'm not there right now	MOUNTAINS!
P132	6	It's the wilderness. A place to find solitude. You can see the sky. I imagine it smells good. I would like the sound of the creek running. Places like this are where I choose to spend my free time. I feel comfortable in places like this.		
P133	6			
P134	3	I like the green trees and the potential for a stream running through the rock area	I don't like seeing a dry stream area or the trees broken down into the dry stream	wonder what the broken tree limbs are from
P135	4	Green, focusing, I feel like I'm in a landscape	There is a lot that looks dead and rotting	
P136	3	skyline, mountains,trees	dead trees	
P137	4	Natural beauty	Lacks a focal point	
P138	6	Forest, stream, mountains, blue sky so might be some sunshine. Large woody debris.	High proportion of dead standing trees visible, hillside looks a bit sparse, wondering if dry or if trees are suffering beetle infestation or some such.	
P139	6	The varied landscape components - creek, downed trees, forest, mountains. And the downed trees' display of nature doing it's own wild thing.	Nothing.	
P140	5	I like the natural and wild feel of this scene. Reminds me of many backpacking trips I've taken.	Looks like maybe some pinebark beetle dead fall which makes me think of wildfire hazard.	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P141	5	No sign of humans.	Boxed in view of mountains. More wide sweeping vistas would be more desirable to me.	
P142	6	Gorgeous, beautiful scene. I like the mountains, the trees, and the stream.	Nothing.	
P143	5	mountains and lack of signs of civilization	Nothing in particular	
P144	4	Like the expanse. Perspective feels like you are actually there on the ground.	The large tree stump on the right hand side. Disrupts the flow.	a bit drab overall...feels a bit cool.
P145	5	It looks wild and natural. Like someplace I'd enjoy hiking.	Evidence of fire damage.	
P146	3	The content (forest, river bed...nature)	Some of the trees don't look healthy, and when I first looked at the photo the fallen trees made me think logging had been going on until I got a closer look.	
P147	3			
P148	3	Mountains and sense of undisturbed nature	too many rocks and trees at eye level, feels oppressive	
P149	6	clearing creates a room with a view. contrast of rocks and trees.		
P150	4	Natural and powerful.	Always dislike chaos.	Raw image of nature,
P151	4	trees and mountain in background	fallen trees along rock path	
P152	5	The forest, the mountains, the stream, the rugged features, its potential to provide habitat and interesting discoveries.	The width of the rocks seems out of place, as if they were placed by humans.	
P153	4	the mtns in the background, the rushing water	the dead trees	
P154	1	It would make a great painting. It has five layers and centers of interest.	I dislike that the trees are so many of them dead. Suspect pine bark beetle.	Great Photograph.
P155	5	Inviting--it draws the eye forward. I want to see what's ahead of the trees down in that canyon...	The downed trees frame it as rather toothy and forbidding.	
P156	6			

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P157	4	The mountains in the distance make it feel like there's a great adventure ahead	The rocks look really difficult to walk on, and the fallen trees to the right make me feel like maybe they fell from above-- makes me worry I'm about to get crushed by something falling	
P158	2		its dirty. The water level is low, there is a lot of debris on the floor and dead trees standing. There will be a fire there soon, and it'll crown and run.	
P159	5	the green of the trees and the majestic mountains		the rocky portion of the photo looks like an avalanche went through the area, uprooting trees and kicking boulders along.
P160	5	I enjoy wooded areas.	It reminds me of how hard it is to walk on rocks.	Pretty scene.
P161	5	The tres backed by the hills and sky	The dead fallen trees	
P162	5	Creek leading to mountain	Tilted tree.	
P163	2		Looks like a disaster took place.	
P164	4	The natural aspect. The small stream running through the rocks. I would feel comfortable here.	Too many downed trees.	
P165	5	pristine	dead tree on right	
P166	6	It's a wild stream bed in the mountains	Nothing - It looks like a normal stream bed.	It looks like this photo was taken sometime in the early summer after the spring high water season is over.
P167	6	The mountains in the background. All the trees	I don't dislike anything.	
P168	5	I love mountains and water.	too many snags- it's ridiculous but they make me sad.	
P169	6	I'm a hiker and this looks like fresh air and trickling water sounds away from the city.	Nothing	
P170	5	The openness, the river bed, the feeling of being alone out in the wilderness.	Too many dead trees.	
P171	5	Very Natural. Lots of Green in the hills and water is comforting,	The fallen trees are harsh and not very pleasing .	
P172				

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P173	6	It is all inclusive (mts, trees, waterbed, etc. It is wild and free.	nothing	
P174	4	Like the mountains and sky in the background, they look very green/blue--natural. I do like the trees and the stream, but to me some of the trees took somewhat distressed so that is why I don't like it quite so much.	Distressed look of some of the trees.	
P175	6	It looks like the Pacific Northwest.	Nothing, except maybe the uprooted tree in the right-hand corner.	
P176	6	Great perspective, no human signs. Mother Nature being beautiful.		
P177				
P178	5	The open stream area		
P179	5	Green trees, nature scene	dead wood	
P180	4	Lots of green, Contrast between foreground and background.	I worry about where there are so many dead trees on the banks. It reminds me of the spiked walls put up on battlefields.	The blue of the sky makes me happy.
P181	6	Trees, mountains.		It looks like a good place to go for a hike.
P182	6	Natural scenery with mountains, dry riverbed, and trees	Nothing.	
P183	6			
P184	3	Not much of anything.	Too much barrenness in the front of image.	
P185	5	Looks like someplace I'd like to explore	The low camera angle	
P186	5	All the green. Looks like something you might see while hiking.	Looks like there's been some die-back of the trees, and possibly some clearing of forests on the foothills in the distance.	
P187	5	I wish I was THERE! I love being out in the woods. This looks like an ecologically healthy area, unspoiled, quiet.	I can't think of anything not to like.	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P188	2		The trees look decimated or sickly. What I predominantly see is the fallen trees & this does not look like a healthy forest environment.	
P189	6	Open space, expansive view, very natural looking.	Looks difficult to hike around.	It looks like a dry riverbed.
P190	6	It looks natural, I like the/ water	Nothing	
P191	2	The far off vista and the creek.	It appears lonely and too wide open and baren. On a rainy day it would look bleak.	
P192	6			
P193	2		Dead trees, blah sky.	
P194	5	It looks pretty natural.	Tree snags	
P195	4	mountains/hills in background: colors drk. blue/green	dead fallen trees; jumbled, slanted lines	grey, white and blue also good colors
P196	4	It looks like you're way out surrounded by nature; it's probably quiet, lots of natural sounds, the air is fresh.	Lots of the trees are dead. The tree in the right front looks like an old bone.	
P197	2	The water running in the middle of the rock bed.	All the dead tree trunks to the side of the rock bed (old river stream?). It's like a company abandoned a cleanup project mid-way.	The standing dead trees are in an odd pattern, almost as if there was a disaster before where the rock bed now is.
P198	5	It contains water, trees, mountain and sky	Too rocky in foreground. Trees are sort of sparse.	
P199	5	The mountains in the background, the dry stream bed, the green trees.	The dead trees.	
P200	5	mountains/hills, trees, hiking path	lack of old growth on trees, lack of older trees	
P201	5	The naturalness, greenery	I wonder what happened to bring all the rocks and uprooting of trees	
P202	5	Outdoors & running water.	Tree damage.	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P203	5	I like the mix of riparian, forest and mountain views. While initially it is jarring to see downed trees it is also nice since downed wood provides important habitat for animals, fish and plants. I LIKE that the trees aren't sawed down and look to have fallen naturally	I would like more water... perhaps some snow on the far mountains	
P204	5	The layering of different elements (low foreground, taller midfield, high background); the mix of shapes	It's a little boring.	
P205	4			
P206	4	green tress and hills....contrasted w/ rocks.	dead trees	perspective is weird. no focal point.
P207	6	movement in water, green from foilage, blue sky and mountains	Deadfall of trees	
P208	5	I can almost smell the fresh air, and there is a sense of awe at the trees dumped at the high water mark - it must truly rage with rain or snowmelt. If the house is abandoned, it's great as a statement about our relationship with the river.	The dead trees are scary, from the camera angle! If the house is actually still occupied, it could be a bit precarious during high water...	
P209	6	Clouds, peaceful, quiet.		
P210	5	Trees, mountains, blue sky		
P211	5	Mountains, trees and river rocks are gorgeous	I can't tell if the downed timber is from flooding and is natural, or a byproduct of lumber production. I guess I have bad associations with lumber in a pristine environment but natural logs in streams are good.	
P212	4	Riverbed, open sky, greenery	A lot of treefall; riverbed is completely dry	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P213	5	Big trees, varying topography, running water, beautiful blue sky with light clouds (this brings my eye up and feels positive). It's very green. I'd probably rate it as a 6, except I feel like I should leave some room for something even better.	The stand of trees looks very even-aged to me, without much understory or old trees. This makes me wonder if it's been logged.	
P214	5	I like that you can see the power of the river in the tossed about down trees that are littering the scene.	The far distance doesn't seem as interesting. I really like the scene.	
P215	6	Nice river view	nothing	This is what many small rivers look like after a high water year like last year
P216	6	the natural beauty of the land as well as perspective (rocks, trees, mountain ranges and sky)		
P217	3	Rocks, views in background	the nasty cut-up trees	
P218	6	open vista, color intensity. I have been to places like that an can clearly remember how it smells!	nothing	
P219	4	rolling hills in the background	a little barren in the foreground	
P220	6	Mountains, trees,wilderness	no water	
P221	6			
P222	4	Running water.	feels like I'm in a very deep wood.	
P223	4	Nice rocky stream setting in the woods	Can't tell but there might be clear cut areas on hills in background. Destruction from storms (?) and dead trees is what's first noticed	
P224	6	Feels very open. Looks natural.	Looks hard to hike to.	
P225	6			
P226	3	Its natural	It is "rough" because of the rocks and the dead tree stumps - not very idealic	
P227	2	trees, creek and mountains	altho natural accumulation of dead branches and rocks, it does take away the potentially restful and gorgeous scenic beauty	who could, would and/or should clear it up?
P228	6	It's peaceful, panoramic, breath taking.	the fallen tree on the right.	

Survey Participant	Rate Scene 1	LIKE about Scene 1?	DISLIKE about Scene 1?	Additional Comments on Scene 1
P229	4	it's kinda pretty, but...	not sure, does it look natural? Trees look all same age and many dead.	hard to separate the jarring photo composition from the landscape, with the large branch on middle right side. Is this old clearcut?
P230	5	It appears to be a natural landscape.	nothing really.	

SURVEY RESPONSES FOR SCENE 02

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P1	3	The trees and the mountains.	All that fencing.	The house seems out of place also, as there aren't any trees around it. It seems like different architecture could have been picked that would have mad the house feel like it belonged.
P2	4	snow, beauty, mountains, fence, odd/boring composition, random/patchwork blank hillsides	banal buildings, in-elegant road	
P3	6	reminds me of home.		
P4	5	The snow. The rural scene.	The road	None
P5	4	snow on the mountains; linearity of the fence juxtaposed to the mountains. clean straight rooflines.	the road interrupts.	
P6				
P7		It's a snowy scene in the country.	The road in the center that's plowed.	
P8	5	Country Few people	I don't like cold	
P9	2	mountains and sky	road, houses,	
P10	5	Beautiful mountain ranch home	Might leave me feeling lonely.	
P11	5	Reminds me of my trips from Spokane to Seattle on the I-90. Very clean looking.		
P12	5	Snowy scene looks serene, timber looks great too.	-0-	
P13	6	Feels clean and crisp. I feel like I am on the edge of inhabited area, looking at the edge of wilderness.	N/A	
P14	4	Pastoral. Snow! Haven't had enough of that this winter.	Pavement.	
P15	6	It's a beautiful rural scene with lots of forest nearby.	Nothing.	
P16	5	It's open--I like the distant views	the development. Big road, buildings, fences	
P17	3	Again the mountains the fence	The buildings	
P18	3	The snow and mountains	The farms, the manicured fence / road	
P19	5	SNOW! I like the clean lines of the fence and the road.	nothing	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P20	5	i like the snow and how sunny it is	the road	
P21	6	Reminds me of the Methow Valley. Snow, mountains, ranches and lots of sky.		
P22	4	The horizon	The pavement not being natural.	
P23	6	Beautiful scenery, looks like a farm, love a wrap around porch on the house, barns may hold animals, love animals	Nothing	
P24	3	mountain backdrop scenery	houses & picket fence - like a scene out of "The Waltons"	
P25	3	Very near, well kept fences and buildings.	Patches of bare snow on the mountains - were trees all cut down there?	
P26	1	Not alot	residence and barn have made no attempt to fit in with the landscape, straight lines	
P27	3	its different than what I see in my world	its plain not inviting	
P28	6	I like the rural setting. When I retire this kind of existence appeals to me. I also like that in such a heavily snowed area their rode has been thoroughly plowed.	That I'm not there in it, waving to the cameraman to, "get the hell off of my property!"	
P29	4	green, good view	too regimented	
P30	3	View to mountains year-round, seasonal views of farm fields, abundant sky.	Too much unadulterated flatness in foreground - feels bare and unprotected. Needs some tall trees along the side of the road.	Needs some tall trees along the side of the road.
P31	6	I love a ranch. This is something I will have great amount of bias for. The function over form for actual functions sake will always be pleasing to me.	Can't think of anything.	
P32	4	The blue sky, and sense of perspective looking down the road	The uniformity and lack of texture of the road - everything else in the picture has a softer, more natural feel.	
P33	4	CLEAN ROAD FENCE SNOW		

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P34	4	mountains, snow, sky, pretty white house	garage on left	
P35	4	The trees and snow	The road and buildings	
P36	4	Quiet, peaceful, sunny day, contrast of domestic life and unspoiled trees.	Boring road.	
P37	3		I don't get a feeling that there would be anywhere to stop and rest. This looks like a long road I have to walk in order to get to the bus, and I'd be hoping there's a seat on it for me.	
P38	6	nice-looking building structures and fence, the snow, the groomed road, scenic hill, nice weather that day	nothing	
P39	4	Snow, blue sky, and wispy clouds	The road, farm houses	
P40	4	Seems clean and orderly	Feels like I don't know what's around the corner	Like the house and fence
P41	5	view and setting	snow	
P42	3	would love to live there	someones driveway??	
P43	2	Looks like an unpolluted area.	The house and barn really take away from it. Nothing really interesting about this picture.	
P44	4	Looks removed from the city	manmade structures	
P45	2	I like the scene	the half barn in the photo..would look better cropped out	
P46	6	how perfect the snow looks	the house & barn break up the scene	
P47	5	Appears to be a quiet farm road. Serene	Nothing I dislike	
P48	5	Clean rural setting with now visual obstructions (power poles, wires, radio towers, etc.). Natural colored fences and houses.		I notice the apparent logging on the hills to the right, but they seem to have been planted to prevent erosion and don't detract much from the scene.
P49	3	snow is pretty. i like the white tree trunks against the dark backdrop. forested hillside on the left is peaceful	rag-tag clearings on the right hill. road.	
P50	3	natural setting for homes and a neighborhood.	People encroaching on mountain setting	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P51	5	road looks like a great bike trail also like the hills and mass of birch and poplar trees in background	somewhat monotonous	
P52	3	The snow is nostalgic for me and I like the tree-covered hills.	road dominates the landscape and there is a lot of other infrastructure (buildings, fences, signage). while there is some natural value, looks pretty disturbed.	
P53	5	The snow looks so pure and clean.	The trees aren't snowy.	It looks peaceful.
P54	5	The road has no snow on it. Nice clean lines everywhere.	It makes me feel like I took a wrong turn somewhere and need to find a freeway on-ramp.	
P55	3	The landscape is pretty but not exemplary.	I hate the fences and is that aluminum siding on the left building with the sloped roof? It's so cheap looking and it cheapens the overall look. I don't like the uninspiring house design it is a blight..	
P56	4			
P57	4	Rural living, easy access	The wide asphalt road, what do you do out there?	
P58	5	Serene, orderly.		
P59	3	Mountains and snow.	Farmland area is kind of boring.	
P60	4	layers of mountains, green roof, fence "fits" with house	the look of the barn, asphalt	
P61	3	Again, a nice mountain scene.	Looks a little bleak and emphasizes a road much more than the natural features. The house, barn, and fence are uninteresting and unappealingly rectilinear.	
P62	4	blue sky! mountains	Looks cold. And like it would be far to go to not get run over by a car	
P63	2	The hills and the snow	The straight lines, ugly house and cutting.	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P64	4	The snow is crisp and clean. The different elevations in the background and the fact that the mountains are forested are nice. It's peaceful.	nothing	
P65	4	View of mountains	Plain road, no decorative shrubs or plants All view, no interest in foreground	
P66	5	Simple, clean, Blue sky.	snow. It looks cold. No trees or shrubs around the house. It doesn't look occupied.	I hope there are flowers under the snow that show up in the spring.
P67	5	The expanse of nature is beautiful, simplicity of a rural life is also inviting.	I am concerned about the thinned trees in this landscape matrix, especially on the hills at the right, these do not seem natural.	
P68	5	A pleasant scene. Very rural.	The house has some curious shrubs around it's porch.	
P69	4	Pastoral housing in or near a remote setting with snow has a romantic feeling. Lots of trees. Sunny Day.	The house. Without it I would like the scene better.	
P70	5	I love snow and especially clean snow that isn't marred by salt and dirt kicked up by cars	the road	
P71	4	sunshine , open space, blue sky, evokes some sense of ruralish/simpler living ... though this home is large/modern.	fenced off ...	
P72	2	uncrowded by "stuff"	There's nothing to really attract my eye and hold my interest.	
P73	6	Presence of agriculture. Thick forest. Evidence of some logging (maybe what made the fence and house). Well-wooded probable stream channel near grade change between development and mountainside. Well-maintained homesite.	Can't tell if runoff from road was properly handled. Forest appears to be typical near-monoculture common in today's western forests.	
P74	6	Trees, mountains, blue sky, snow, sense of orderliness, well run home.		
P75	3	good habitat still visible on hillslopes	valley floor non-natural and impacted	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P76	3	The tree covered hills and snow.	The ugly buildings and unattractive fencing.	
P77	4	Lots of natural beauty, nice fences.	Very prim imposition on the landscape	
P78	4			
P79	4	Seems like a peaceful place to live, open space proximal to forest.		
P80	5	Contrasting colors and clear road	nothing jumps to mind	
P81	4			
P82	2			
P83	5			
P84	4	The sun is out!	It feels rather suburban	
P85	2	mountains	boring buildings	
P86	4	The mountains.	The fence and modern buildings.	
P87	3	The mountains and snow.	I do not like the fence.	
P88	4	snow, mountains, barns	pavement, newness of buildings/fence, linear road, exposure	
P89	4	The contrast of snow and line of the fence	The pavement	
P90	6	Love the feel on the mtns and the new snow	nothing	
P91	3	Mountains and snow	Sharp Angles	
P92	5	Pleasing visually if you need fences. These are good, unobtrusive coordinated. A walk I would enjoy taking.	nothing	Orderly. Planned.
P93	2	mountainings	roads, buildings	road is too dominant in the scene
P94	6	Fence lines fit the area. Color of structures fit the area. Contrast in tree type in background.	Garage structure is little close to the road.	
P95	5	Welcoming.	Looks cold!	I'm ready for a horseback ride.
P96	1	It reminds me that I like to ski out to Lou Childer's place and back on the Community Trail	I dislike the design of that elaborate box on the right.	
P97	5	mountains, sky, fences	paved road	
P98	4	cute fence, mountains, clear where to go	buildings look too manufactured, little character	
P99	3	It is crisp and clean.	Cold and barrenneeds some color.	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P100	5	Reminds me of being out on the farm.	Nothing, it's a lovely photo.	
P101	5	It looks very tranquil and relaxing.	It looks cold. And the parallel fences are a bit alarming.	
P102	4	I like the idea of living in a beautiful location	Represents sprawl, the road is paved in this remote location	
P103	3	mountains in background	boring	
P104	5	Back ground is good, but it is a typical side of the road photo. It would be best to shoot on either side of the fence (right side) to capture the out building and the fence.	It is framed well, but the road keeps drawing you away from the scene.	
P105	4	The snowy hills.	The road that doesn't have any ornamentation along it.	
P106	5	Man living next to nature.		
P107	5	the clean lines	the asphalt	
P108	6	Nice quiet developement in the mountains		
P109	4	Clean, well-maintained area. Fresh snow.	The road dominates the scene.	
P110	4	mountains,trees, snow. The landscape looks balanced and the lines converge and the edges are clean.	Feels a little too controlled. Clearly someone put time and effort into maintaining the neat fences and snow.. Plus, I HATE clearcuts.	Human occupancy - maybe a little comforting, easier to imagine myself in this landscape.
P111	6	Lots of open space.	Nothing.	
P112	6	Looks peaceful, and the well-tended buildings are a nice contrast to the rugged hills in the distance.	Perhaps a little too tidy. I don't like the look of "squared off" logged areas on the hills.	Where are the horses?
P113	4	Once again, scene is of beautiful, expansive natural environment.	Nothing. I am rather neutral about the scene.	
P114	5	quiet rural lane, clean houses, good backdrop, forest and hills	not my type of house really	
P115	5	Peaceful		
P116	4	the snow/remoteness.	the buildings. Not enough snow on TOP of the mountains.	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P117	5	It looks like people are taking care of their properties; the wooded hills look fairly healthy	Not enough trees near the homes, but if the properties are ranches they probably want sun for grass production	
P118	6	looks peaceful, rural area, trees, rolling hills, someone's home	nothing	i aim to live in a place like this one day... sigh
P119	5	The variety of landscape: barren deciduous trees and evergreen forest together; well-maintained ranch, seemingly respectful of the environment around it.		I could spend time here.
P120	4	Forested hills and aspens. The roofs are green and blend in with the hills. Of course the snow.	The clearcuts and fences. I do not like the straight lines of the fences	
P121	5	Fond memories	very symmetrical	
P122	4	Pleasant rural living	Too close to road, but could also have advantages	Hope the neighbors are nice folks
P123	6	Clean, simple, and remote.		
P124	5	Mountains are nice.	The fences	
P125	5	Looks like there is still an element of wildness in it. Snow looks clean and relatively untouched. Open spaces and larger views of the greater landscape.	The road in the middle is a distraction - especially since it is cleanly devoid of any trace of snow (seems too clean).	
P126	3	MOUNTAINS, FOREST	NO WATER, ROAD, FENCES, BORING HOUSE	
P127	4	sky, clean snow, dark trees, mountains, and I like the fence too.	barn on left	I'm kind of neutral about the road and the farm house on the right.
P128	4	The mountains, the sky, the fence, and the house on the right	the road, the house on the left, and the dead trees in front	I would like the snow if it weren't disrupted by the road
P129	4	snow	road	
P130	4	The openness w/ the mountains in the background	The house on the right doesn't seem to fit in.	
P131	5	mountain views	fences and barns that are a bit clean and tidy for my tastes	
P132	5	The snow. The wide open valley with the big sky. Ranching. Implies a quieter way of life.		

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P133	4			
P134	4	I like the open fence on the left.	blacktop road through an area that is in the rough?	wonder why the house is on one side of the road and the barn is on the opposite?
P135	5	Snow is gorgeous, the white and green go well together, the sky is soft	Lonely	
P136	5	blue sky, country fence, large country house, barn, hills, snow	nothing	
P137	4	The linear and parallel fence line	tree line with clear cut	
P138	5	Rural. River valley. Trees. Blue sky.	Looks cold. No trees around the buildings.	
P139	6	I have a thing for farms and snow. It's beautiful and I would like to be there. I love the evergreens and deciduous trees, esp. the beautiful birches? with their red branches.	I'm not big on the red fence unless it matched the buildings... I would have done white ;)	
P140	4	Love the mountains in the background and the beautiful snow. The aspens at the far end of the field are eye catching.	It's pretty but a little boring. I don't think I'd say that if I saw some horses in these fields :) A bit too much structure in the forefront. If this road was lined with trees I think it would be beautiful!	
P141	4	Country scenes are peaceful.	Nothing in particular. Just not exactly the place I would want to live.	
P142	6	Beautiful snow scene with mountains.	Nothing.	
P143	4	mountains. Does not show too much intrusion on wilderness feel	nothing in particular	
P144	5	Makes you want to sit up straight and breathe deeply the crisp clear mountain air.	a bit too much street/road. Would have liked more snow on the road way	none
P145	3	Sunshine on a snowy day.	Seems a little boring.	
P146	5	It feels peaceful.	It also feels a bit plastic and generic.	
P147	4	The buildings being set at such a perfect distance to the mountains is nice.		

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P148	4	Sense of space, solitude.	The buildings disturb the landscape. The patches of old clearcut land on the hills is disruptive of the peace of the scene as well	
P149	3	the lonesome road and fence lines. trees, mountains, big sky.	want to see a more rustic, weathered fence and buildings. i don't like the white and green building. sore thumb.	
P150	4	Mountains look very pretty.	Fences, uninviting architecture..... even though I know it is a working ranch.	
P151	4	snow, fence, and tree covered mountains in background	asphalt road	
P152	3	The natural scenery is beautiful.	The human invasion is bold and obvious. It seems out of place and unnecessary.	Sites like this should have more protection, otherwise everything will be the same and the natural variations, beauty and habitats will be lost.
P153	6	very crisp and clean	nothing	
P154	4	semi interesting.	poor composition for making a painting out of it.	maybe it is good for landscaping. What do i know.
P155	3	Color contrast between snow, hills, and sky.	The road appears to dead end. Feels sort of cut off and desolate.	
P156	2			
P157	2	The snow, the tree covered hills	The incredibly bland-looking house and barn make it feel generic, boring.	
P158	6	its serene, there are no people, its well cared for	the forest isn't healthy, the trees are too dense	I want to live there
P159	6	pastoral, peaceful, beautiful mountains, the uncluttered landscape. I like the curve in the road, making me curious where the road goes beyond what I can see	nothing	
P160	5	It's neat and tidy. Looks clean.	N/A	
P161	6	The clean crisp snow against the hills and sky	Nothing	It looks like a nice quiet retreat
P162	5	Nice lead to road.	Nothing	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P163	4	It looks peaceful and clean. Looks like snow is melting and maybe spring is on the way.		
P164	5	The quiet comfort. The majestic mountains "hugging" the ranch. It looks peaceful.		
P165	6	clean	nothing	
P166	4	It's a clean small farm - maybe in the Methow Valley?	It's the "suburbanizing" of the rural areas around here. It also looks like that might be a horse barn instead of a productive farm.	
P167	5	Again, the mountains.	The houses are distracting to me...but I can't tell if that is just because of the picture.	
P168	6	snow and mountains and blue skies.		
P169	6	I would love to ride my bike on that deluxe road. It is sunny so it wouldn't be too cold if I wore the right clothing and it would be a good way to be outside in the winter.	Nothing	
P170	3	The snow, the clear blue sky. Pretty fences.	I don't like the building on the right, especially. It looks too cheap and prefab for such a beautiful area. Looks like it's built for tourists.	
P171	4	nice hills which are a contrast to the flat road.	road looks a little boring.	
P172	5	snow, and the contrast between the mountains/road and the snow	the buildings are boring	
P173	5	It looks very peaceful.	Looks way cold!	
P174	5	The forested hills, the neat quality of the homes which look well maintained, and the wonder of such a symmetrically cleared road. Nice, white snow.	Nothing, really.	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P175	6	Very calm & peaceful looking.	the road doesn't look realistic to me-- maybe because of the lack of lines dividing directions?	
P176	5	Calm and quiet. Great plowing.	I feel a bit fenced in.	
P177				
P178				
P179	3	trees, snow	the focus on the road	
P180	3	Big blue sky.	It looks cold. I hate being cold. Also the house looks like one I stayed in in Morioka, Japan, where I froze my buns off.	
P181	5	trees and mountains	clearcuts	
P182	5	It's interesting to imagine where the road goes after the curve. Mountains, trees, snow.	Nothing.	
P183	5			
P184	4	Attractive house and scenery.	Fence is too boring.	
P185	4	Has a wide open feeling.	My eye is drawn to the expanse of road in the foreground.	
P186	4	Looks like a beautiful place to live. Evergreens, deciduous trees, snow!	House looks cookie-cutter like.	
P187	3	I'm jealous that they get their road plowed. Look at all that fun snow to play in!	Looks kind of boring. Not much to do, if there wasn't all that snow. But not 'wild' enough for a real getaway	
P188	6	It looks peaceful.		
P189	3	mountains in the background	Not quite sure... perhaps just because I don't like being out in the cold and that seems unappealing.	
P190	4	The snow and mountains are pretty	The paved road breaks up the "natural" look. Also, the houses don't mesh with the landscape	
P191	4	The far off vistas and the close in structure of the coral fences. the snow is also appealing to me with the bare (aspine?) trees in the background. The road is also a structure that is appealing.	Still a little too bare looking, but if it's a ranch that would be appropriate.	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P192	6			
P193	4	Nice symmetry with the fence and road and buildings on either side. Blue sky, white snow.		
P194	5	Looks like a nice place to live.		
P195	4	line of road and fence create sense of movement to a distant focal pt.	too symmetric: buildings on both sides, deep shadows obscure detail on hillsides	
P196	5	It's clean, open, it feels free. The fences and barn/shed make me think there might be horses nearby. It feels like a large private space where just a few families live.	Snow. I grew up with snow and I'm tired of dealing with it. :-P	
P197	4	The area looks "clean" and well maintained for the most part. Plenty of room between the road and the fencing. A decent mixture of civilization encroaching into nature, yet still having mountains and trees.	The road is overly wide for what's probably a low traffic area and similar to the first picture, a lot of standing dead trees.	
P198	5	Snow and mountains. Nice fence.	Nothing	
P199	3	The mountains - mostly covered with trees, the snow, the blue sky.	The barn, especially the material the barn is made from.	
P200	4			
P201	5	Very beautiful place to live. Peaceful, serene	nothing	
P202	4	Trees, snow, and blue sky.	Man-made structures.	
P203	5	mix of nature and humans. These fence, barns and houses are really well maintained and the road is nice and clear for travel.. it makes me want to go out and go sledding	nothing	
P204	4	The road and fence create clear focal points that draw the viewer towards the mountains in the background. The snow offsets the other colors nicely giving them more impact.	The house and barn don't contrast very well with the snow making them a little lost in this picture.	
P205	5			

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P206	4	Repetition of lines/fences road and symmetry	above is the only real interest	
P207	4	snow, homes, mountains and blue sky	plowed road	
P208	6	A prosperous, well cared for ranch in high country - makes me wonder about the ranchers. Again, the air is fresh, and there's a sense of quietude.	A couple of unanswered questions: is there much traffic through this tranquil setting? Are there horses, dairy cows, llamas, or crops here? I love a mystery, but prefer if it can be solved.	
P209	5	Plowed road, sun shining on the snow,fence, rural farmhouse.	No animals	
P210	2	Trees	Snow	
P211	5	Seems quiet. Mountains and snow are lovely, and I like the fence lines. I like the farmhouse on the right.	Shed on the left isn't too awesome, a country road would be more pristine feeling but it's not a big deal.	
P212	4	Blue sky, contrast between hills and flats, snow, cleanliness	Fencing	
P213	4	Most of the landscape looks pretty natural to me. The snow is very serene. The road, although paved, inspires accessibility and leads me in. I like all the trees and the hills. Beautiful blue sky. I like it.	I think the development takes away from the scenic quality of the landscape to a degree. The buildings here aren't that beautiful to me. There are bare patches on the hillsides that have probably been logged.	
P214	3	Nice lines, and it is a clean scene.	I don't really like snow that much, also the building aren't that attractive to look at.	
P215	6	snow in view	nothing	
P216	4	perspective is good	too stark for me	
P217	5	The clean lines (of snow), the scenery, the fences: parsimonious with the snow	the road	
P218	4	contrast of blue against white and green. shadows on snow	road as dominant element	
P219	3	more hills!	it's kind of boring. the street in the middle is somewhat plain.	
P220	6	mountains, trees, very bucolic	nothing comes to mind	
P221	3			
P222	4	calming, snow!	buildings look like chicken raising facility.	

Survey Participant	Rate Scene 2	LIKE about Scene 2?	DISLIKE about Scene 2?	Additional Comments on Scene 2
P223	4	Bright snow, blue sky, gives the feeling of traveling, looks like a nice place to live.	Dead trees at the end of the road view, bald patches on hills	
P224	5	Looks very open	I'm jealous. I want the holuse.	
P225	3			
P226	4	Peaceful and simple	cold	
P227	5	altho occupied by human structures the scene is usual for today and it looks like the mountains (hills) I live close to now	the stand of dead trees	should they be cleared out for "fire" avoidance
P228	4	gorgeous mountains, blue skies, crisp snow	the red fence	
P229	5	calm and tidy		
P230	4	I like snow.	The road seems too "prepared".	

SURVEY RESPONSES FOR SCENE 03

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P1	4	The hills and river.	I guess it's kind of boring.	None.
P2	5	varied terrain, contrast of steep and steeper, prospect/views, promise of safety/habitation below, classic composition	geologic hazards, tawdry buildings	
P3	6	Illustrates the power, ruggedness and beauty of nature.		
P4	4	The river	The lack of trees	
P5	6	beautiful topography... clean clear water.	i like it.	
P6				
P7		The river with trees mostly in the foreground.	The barren desert-like contry in the background.	
P8	5	Peaceful		
P9	4	land and sky and water	houses and roads	
P10	4	Still beautiful, not functional for hiking and using nature	Power lines	
P11	5	Wide open spaces		
P12	4	This side of the river looks like a different world compared to the other side.	Across the river looks baren. Can anything be done to green it up some.	
P13	4	I like the plateau, it provides an interesting landscape to look at. Looks amazingly vast and desolate.	The homes don't blend in with the scene.	
P14	3	Spare tablelands across the river are attractive.	Too many people living near the water. Where is the riparian vegetation?	
P15	5	It's a nice eastern WA scene with lots of open space.	Not QUITE as scenic as the other photos.	
P16	5	It's open. Love the vista, love the shapes of the hillside in the distance--the erosion, the flat top. The river running through it is neat too	The houses at the base of the hill	
P17	5	The colors, the river	again the buildings	
P18	5	Makes me remember spending time on the columbia growing up		

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P19	6	I like the texture of the hills, and the way that the river cuts through.	The trailor	
P20	4	the river	the plateau looks like of dead across the river	
P21	6	I love the plateau and the slowly moving river meandering through sparce population.		
P22	5	The imperfections of the plateau? Hill?	Nothing	
P23	6	Being on a river, as long as it does not flood, is a great place to live. Fishing, boating, etc	Nothing	
P24	3		Landscape too degraded for my liking. Road constructed right on the edges of the river banks (typical for river deltas), trails/dirt tracks on far bank, most trees have been removed on near bank, etc.	
P25	2	Contrast between either side of the river - colors, homes, trees.	The brown, eroded mountains on the far side of the river	
P26	3	The background. The homes in this photo have been covered partially by trees which is nice because without them they would stick out like a sore thumb	Knowing that river is dammed and the landscape is at least partially man-altered	
P27	3	the water	not what I feel is naturally beautiful	
P28	3	I like the landscape view from this particular angle. You can see several prominent defining feature of the local topography from the high of the photo.	I'm always wary of building near a strong river, and guessing by this one width and surface currents I can clearly see it's one. That means at some point in the past as well as in the future that river is going to rise during flooding season.	
P29	3	view, natural	brown, too exposed	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P30	4	Water. Greenery.	Corridor effect of straight river bordered by alleys of grass.	Occasional clumps of plantings to help obscure view would help, or create a network of meandering paths highlighted by plantings or benches to break up the line visually. Straight axial paths (a la Moorish gardens) would work aesthetically, but would not suit the naturalistic setting.
P31	5	There is nothing like water to transform a scene. I also very much enjoy the hills. Like picture one, the hills are plain, but they have character: rocks and gashes, scraps and bumps, They are unique and interesting to look at.	The interior of the shot shows a poorly developed community. I am not speak of socio-economics, but the design of the community. Where the homes sit, etc had very little thought put into them.	
P32	4	The topography of the hillside across the river	The dark trees on the nearside of the river seem out of place and unnatural in this landscape.	
P33	4	WATER	DEAD AND DRY AREAS	
P34	4	river, green trees in forefront	brown, brown, brown	
P35	5	The river and land surrounding it, especially the far side	The brown color of some of the vegetation/landscape	
P36	4	Water, warm colors contrast with trees and brush.	I've never been very fond of the Eastern Washington landscape. It seems dry and hostile to me.	
P37	5	I like the flatness of the top of the opposite shore, and the hills, bumps, and curves of the land.		
P38	5	the river, the color and shapes of the land on the far side of the river	the buildings are not so nice	
P39	2	The river	the brown hills and the house	
P40	4	Looks like a painting	miss some greenery	
P41	3	not much	too much brown	
P42	4	the landscape	could do without the house	
P43	3	The land is beautiful, and the houses don't bother me so much as they look more part of the scene. I love how open and flat the land is. The river is nice.	The houses take this scene from what could be a rating of 3 to a rating of 2.	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P44	5	River and other natural surroundings	Settlement too close to the river	
P45	4	the water looks pretty	nothing	
P46	2	the river	the colors of the landscape, the brown makes me feel sad	I don't care for the houses in the picture either
P47	4	Nice quiet valley near river.	Seems isolated yet near a major highway. Like it s the view with your car parked at the side of the interstate. I can almost hear traffic whooshing by.	
P48	4	It appears that there is a maintained access trail on the side of the river. Good for walkers and bikers.		
P49	5	texture... hills look like velvet. you can really see/make out the topography, see where the water flows into the river	houses in the foreground seem out of place	
P50	3	river	dry, brown.	
P51	4	contrast between denuded cliffs and vegetated hillside	while aesthetically interesting, the state of erosion and deep cutting of the bank is alarming	
P52	4	Long open vista with substantial(appears to be) free-flowing water. Mostly unfettered by human disturbance.	This landscape has roads, cars and buildings in the foreground which reduce the appeal of what would otherwise appear to be a contiguously natural landscape.	
P53		I like the water and the green trees.	I don't like all the brown.	
P54	5	The contrast of colors.	I don't like arid climates too much - at least, those that this scene reminds me of...	
P55	5	Those windswept crevices are really pretty. Otherwordly. Beautiful river running through it.	The propensity for people with no taste to build prefab homes on breathtaking sites. It's like building a megaMcDonald's with arches spanning the Grand Canyon.	
P56	3			

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P57	6	Amazing geological features, how did that happen? The red, orange, and yellow colors are beautiful, it is a foreign, but exciting landscape that reveals geological time.	the "lawn" type area on the other side of the bank with the houses. It seems so opposite from the hill side.	
P58	4	The River and the shapes of the hills in the background, especially the flat tops to the hills, with ripples going down to the river.	The dead grass on the hillsides, It's probably gorgeous in the spring but not so much the rest of the year.	
P59	2	I like the water and the greenery.	Don't like all the brown.	
P60	5	shape of the land, river	houses	
P61	4	Interesting emphasis on the landscape, instead of the houses. Beautiful color of the hills. I like the meandering river.	Little houses in the foreground don't add anything to the scene and detract from the natural beauty. Landscape looks a little dry for my taste, but not interestingly sere, like a desert.	
P62	5	River! So soothing. And <3 geomorphology	Not sure I could access that river to float down it	
P63	4	Such a cool landscape beyond town.	The development and the brown.	
P64	5	The view is beautiful. Lots of water. That doesn't make it feel so dry. Some greenery in the forefront of the landscape gives a calming effect. The dryness of the landscape is acceptable because of the amount of water in the river.	The areas where the homes are doesn't look very inviting.	If the sun were out, I might have a different reaction to the landscape citing the need for more shade.
P65	4	River and hills	Dry and brown	
P66	6	The ripples of the land carved out by the river. The gold color of the vegetation. The openness of the scene.	The man-made objects.	More nature, fewer humans is my preference.
P67	4	The micro-topographies in the opposing hillside/bank, as well as the green vegetative contrasts in the foreground compared to the background.	The light colored topographies on the opposing bank (the large swathe to the right and on the last step before the water) are troubling as potential hazards to the water system here.	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P68	3	There is amazing contrast of dry hill side and lush growth on either side of the river.	The river has very little habitat for bird and wildlife growing along it.	The river is running high and seems almost like a canal.
P69	5	The landscape. The river and the rolling topography in the background have a grand scale and the climate reminds me of hot summers.	It's an overcast day.	
P70	3	the river and trees	I don't like barren landscapes. It looks like it's bare on the other side of the river. instead of it being naturally bare (ala Moab) it looks like it's been stripped, from mining or something.	
P71	4	I like the undulating topography, open sky, juxtaposition of water and dry terrain.	scars on right-hand slopes, river doesn't seem free flowing.	grew up in similar territory
P72	3	I am attracted to the water.		
P73	6	Moderate housing density. Houses are *out* of the likely floodplain. Opposite bank is allowed to stay natural. Near bank looks like it may be cattle-grazed. Gullies on opposite don't appear to be human-caused. Trees exist along bank toe. Hillsides near development are in native vegetation, not overly-landscaped 'fantasy-land'.	Development took place on the outside side of the bend in the river - ripe for erosion and phone calls from landowners in 20 years when "my bank is disappearing into the river...".	Looks like the Reno area near the Truckee River.
P74	6	Looks like Eastern Washington in late Spring. Know hot weather is coming. River, hills, green patches, a nice orderly home below.		
P75	4	native hillsides	limited floodplain access due to urban encroachment	
P76	4	It looks like a fun place to explore. The hills look like they could be hospitable to humans.	The water looks channelized, and not like a natural river edge.	
P77	3	whoa. love the far bank.	the near bank looks tawdry and like an alien species settled it	
P78	3	The textures of the landscape	the dry and bareness	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P79	5	Proximity to water, natural features beyond. Looks like wide open spaces with absence of humans.	Uneasy about houses on a flood plain.	
P80	5	contrast between the two shorelines	sky color a bit gloomy	
P81	5			
P82	3			
P83	5			
P84	4	Nice contrast, it makes me think about being in eastern washington	Pretty cloudy, needs some more trees	
P85	5	cool flat tops	brown	
P86	6	The semi-arid landscape and the river.	Not much.	
P87	4	I like the hills in the background on the over side of the river	I do not like what looks like a trailer home.	
P88	2	vegetation, river	development, dryness, appearance of unnatural channelization, grey skies, scarred hills	
P89	5	the curve of the mountains.	the trailer in the foreground	
P90	3	The river	sort if desolate and void of trees and shrubs	
P91	4	Ruggedness	Nothing really stands out	
P92	5	A stunning juxtaposition of desert and water. Almost like they shouldn't be in the same scene.	Nothing to dislike but not where I would choose to live.	even limited vegetation on the banks...
P93	2	not much	too brown	
P94	4	River view is nice. Interesting scene with the plateau above running parallel to water.	The greenery of the landscape around the structures really contrasts the area that appears to be natural habitat.	
P95	4	Flowing water.	Seems a bit brown.	
P96	6	A great example of kame terrace formations for those who dabble in glacial geomorphology	I've never been a fan of double wide trailers in the foreground of landscapes shots	
P97	3	The hills on the riverbed	not enough color	
P98	4	interesting and visible landform, different from what I am used to. river.	trailers, manufactured homes	
P99	5	I like the texture in the hills, the contrast of beige and green and the river.	The house colors and what vegetation around the houses.	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P100	5	The golden hills.	Nothing, it's a lovely photo.	
P101	3	It also seems quiet...	But this scene seems desolate. And it feels more like the scenery is a trap than an escape, as in the previous photos.	
P102	4	interesting to think about the geologic history of western Washington?	Houses in the flood plane make me wonder about sewage, electricity, irrigation, circulation, sprawl	
P103	5	Interesting shapes and shadows to look at across the river	houses in the foreground	
P104	5	This would make a great nature photo. Camera is well placed, the landscape is even, more sky would enhance it overall, although the foreground could be cropped closer to the water and possibly eliminating the buildings in front.	Man made structures are not part of this scene.	
P105	6	The plans of the hills and cliffs are incredible. And the details of the hills are beautiful!	Nothing.	
P106	2		Looks like nature disturbed by mining.	
P107	5	the river and the dramatic mountain behind it	the houses in the foreground	
P108	6	senic view of the river		
P109	3	The wild area on the far side of the river.	It looks like an area where houses are being built in an area that is too dry naturally to support the population, and water is being used to make the populated area green.	
P110	5	I love the far bank, the bare shoulders of the geology, the movement of the river. Open--I can almost smell the sagebrush.	Not much, really. The settlement is a little random--cluttered. The irrigated landscape clashes with the natural setting. But it looks familiar.	
P111	6	Open space and natural features.	Nothing.	
P112	6	The hills look like the living pelt of some exotic creature	The mobile home	I wish I could stay here in the summer.

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P113	3	Not much. Foliage on near side of river adds some diversity and beauty.	Not much. Man made objects on near side of river add some diversity and ugliness.	
P114	6	this kind of defined river gorge with sere hills but also greenery where the water irrigates, a home with this remoteness, close to wildlife	this will be very hot in summer, strong possibility of flooding in this narrow channel	
P115	3	The water	Barren	
P116	2		Dry, barren. Buildings don't appear affluent.	
P117	6	The far side of the Gorge (or Snake?) is minimally impacted by development.	The road right on the shoreline. Houses located close to the edge. Green lawns take irrigation in a dry landscape	
P118	5	rolling hills, plains, pastural	barrenness	
P119	3	Lots of water in the river, minimal development next to it, open plateaus.	Development close to the river.	
P120	4	trees in the foreground and the river and its tributaries cutting through the landscape	State of the river- which appears dammed to me; houses stand out. the road at the bottom right goes to nowhere?	I appreciate the landscapes surrounding many arid, dammed watersheds but do not like dammed watersheds in general.
P121	4	River and greenery on this side	Too much brown on the far side of the picture	
P122	4	Looks like palouse country. Has a beauty all its own. Probably some good upland bird hunting.	Living can be seasonably harsh. Probably hard to make a living off the land.	Probably some coyote hunting too.
P123	6	Reminds me of a canoe trip I once took on the Missouri River. Not overdeveloped.		
P124	3	I bet it would look great in the spring.	Too dry and dead-looking	
P125	4	The river/body of water in the picture. The trees and shrubs.	Landscape looks sad. Only one side of river is populated and has trees and shrubs. Would look better if the other side also had some life on it (it looks desolate).	This picture makes me curious as to why only one side of the river has trees and shrubs. What happened on that other side? Are the growing conditions just that poor or was the area stripped or something?
P126	5	IN A FIELD IN THE FOREGROUND, CAN SEE GEOLOGY	LOOKS LIKE THE WEATHER IS COLD	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P127	5	colors of hills and sky and water	foreground houses	
P128	2	The plateau is ok, the river is ok	the houses upfront. also, the mountain has very little vegetation.	it's a weird angle. because the camera is up high, I expect a great view below, but then there's just houses.
P129	5	River	Mobile home	
P130	5	It looks like a great balance of nature & man, which is not too much man.	Not much, maybe the style or condition of the houses	
P131	5	MEsa, Ooo trailer homes		
P132	6	Rugged. Looks similar to a place I go to rock climb. Again the big open sky is great. I like the different colors of the landscape and how you can see the topography of the terrain.		
P133	4			
P134	2	the canal affect	don't like the barren hillside along the opposite side of the creek	wonder what the whitish area is on the opposite side of the creek to the right
P135	2	River makes it look like things are moving - there is action	Brown, flat, boring	
P136	3	river, trees	grey sky, barren hills	
P137	2	interesting geology	so dry...	
P138	4	Rural with some buildings nestled among trees. I like to see different topography and the dry mesa is interesting.	Dry mesa looks barren. Not my favourite landscape.	
P139	6	Green on one side of the river, and brown on the other. Developed one one side and undeveloped on the other. Taller evergreen vegetation on one side and scrub on the other. I like how the water cuts between the 2 differences. I would like to walk along that road/trail along the near side. And I would like to wander out through the vast far side.	Nothing	
P140	5	Love the arid and desert-y feel of this landscape along with the substantial river. Nice lush trees in the foreground balance out the dry background.	I think I prefer more trees but that doesn't seem to be as natural in this setting.	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P141	4	Big view.	Have to look down on other's property.	
P142	5	I like the water and the river.	The browns and the hills.	
P143	3		erosion of hillsides. Roadway intrudes on river	
P144	2	topography in the distance and seeing the patterns on the hills	not a big fan of desert type scenes	drab
P145	5	Color of the riverside.	Overcast sky.	
P146	6	I like the open land and the way you can see the contours.		I'm wondering what the landscape was like before people settled there.
P147	2			
P148	5	Open space, seems peaceful, nice spacious view with water feature	Brown grass on the hills seems depressing	
P149	4	interesting landform - plateau and topo wrinkles are pretty. nice color.	the houses take away from the spirit of the land. seem out of context.	
P150	4	distant view,and the river.	Sloppiness of buildings sited along the river.	
P151	2	river	too dry looking, not much green	
P152	5	It's a beautiful area. The more lush vegetation could only happen where water is available in this environment,and this is obvious in this picture.	From this distance, the intrusion of the buildings looks like garbage sprinkled along the river.	This looks like the Yakima River between Cle Elum and Ellensburg on the road to Thorp. It is a beautiful area even with human development.
P153	4	the water	too brown	
P154	5	The green planting in the foreground.	The erosion on the hills across from the river.	Nice photo.
P155	6	Love the layers in the photo, and the geological interest of the sheared off appearance of the hills across the river. Sky is beautiful and unsettled. River keeps it from feeling too hemmed in, feeling of escape. Love the color of the opposite bank.	Would be better if no man-made structures were visible.	
P156	4			
P157	6	The wide open feeling, the contrast between one side of the river and the other, the fact that the houses seem like minor details in the surroundings	Nothing, really.	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P158	3	High desert, starkly beautiful	a lot of erosion, river's low	
P159	5			this reminds me of the eastern Oregon Hells Canyon Natl. Rec. Area, along the Snake River, or the Palouse region of eastern Washington...little towns in the high desert. I love the desert, big, uncluttered, wide-open landscapes
P160	6	Nice flowing water	Barren land across the water	Reminds me of California along I-5
P161	2	Not much	Too dreary	
P162	5	Brown hills	Nothing leads to scene center	
P163	3	No threatening weather in picture - lots of water available for human use.	It looks bleak and lonely.	
P164	5			
P165	6	open	nothing	
P166	6	The ruggedness of the Columbia River Valley? (Or maybe the Missouri River Valley?)	The houses cut into the hillside. It looks like the only reason there isn't a lot of erosion from the construction is because it is in "dry country."	
P167	6	The river. The interesting formations on the far side.	The bright blue roof is a little off putting but other than that, gorgeous.	
P168	3	the river.	too brown.	
P169	6	I love this landscape. Not sure if it qualifies as high desert. but the open space that is kind of "full of nothing" on the other side of the river is very nourishing after being cooped up in the city.	Nothing	Makes me want to take a road trip.
P170	5	Beautiful colors. Love the river and the houses nested nearby.	Don't like all the cars parked near the house, and the RV (I think it's an RV) on the right.	
P171	5	Very rugged hicks contrasting to the houses and road.	water way looks man made and not very relaxing to look at.	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P172	4	the shape of the hills is interesting. the water is pretty. i like the trees	the color of the hills. i lived in the Rogue Valley in oregon for several years of drought, and after a week or so of glorious green every spring, the hills turned ugly dried-plant brown until winter. i wasn't very happy there either, which might be part of it.	
P173	5	Very stark, but beautiful.	The starkness.	
P174	3	River, nice cove for the house.	I can't tell why there is some discrepancy between the landscapes on two sides of the river. One looks very bare and brown, the other has trees only around the house but more tundra like vegetation behind it. Was there a fire and this is recover, clearing, are they irrigating heavily for there convenience somewhere where it isn't natural?	
P175	4	Hard to say--I can't tell exactly where it is or WHAT it is.	Again, hard to say.	
P176	5	Fond memories of Vantage. I love being above it all. The people are very far away.		
P177				
P178				
P179	5	trees, river, nature scene	houses	
P180	3	The movement of the water.	The oranges and burnt umbers. Also the grey sky.	
P181	5	The rumpled hills.	houses too close to the river	
P182	5	Water. View of the brown hills reminds me of the geography around San Jose, California--a place I lived for 20 years and loved.	Nothing.	
P183	3			
P184	3	Nice oasis area of habitation.	Sort of gloomy overall.	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P185	4	The hills in the background are a nice color.	Low contrast, seems to be at an odd angle.	
P186	4	The texture of the rolling hills and plateau. Though brown, it's beautiful.	Looks like there may be levees along the river.	
P187	4	Very scenic. I'd like to go boating on that river!	Looks super dry. I'd feel guilty about using any water there. Would like to see more trees.	
P188	6	The landscape is unique-looking.		
P189	5	Interesting contrast of scenery with the dry land and the water, green land. Also it reminds me of places I spent time in during my childhood.	no sure.	I'm curious how much of this scene is man-made or natural.
P190	6	Cool natural features, houses are tucked away within that		
P191	5	The structural shape of the brown hills is nice especially with a river flowing in front of it. I also like the small bits of green.	Cars in the foreground and houses that don't blend in with the scenery.	It's a very different view than where I live so it is rather interesting to me.
P192	6			
P193	4	Interesting contrast between river and dry hillside.		
P194	5	Natural land formations		
P195	3	parallel lines: road and river	movement is across picture: no sense of distance	
P196	4	It's cool how there's a flat plateau that ends in one particular place and starts sloping down to the water. I also like that there's water (I love landscapes with water).	Way too dry -- I like my landscapes green, not brown. Also, the edge of the river doesn't look very accessible -- it's steep, there's no beach or flat bank where you could go down to the water (at least on the far side. The near side is hard to make out).	
P197	1	The water.	The scene is dis-jarring when comparing the two banks. It's like someone has clear cut the naturally growing fauna on the farther bank.	
P198	5	Water and plateau		

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P199	5	The landform and the river.	The patch of ground that looks eroded - possibly from bikes?	
P200	4			
P201	5	A nice place to live along a river in a fairly remote area. Imagine it is more lovely when the grasses are green	brown grass	
P202	4	Red soil, river, and trees.	Houses in the foreground.	
P203	4	this barren ecosystem is so beautiful and austere	I would like it better if there were no houses. The trees next to the houses look really artificial	
P204	3	The background shape is pleasing.	The background (steppe area) is monochromatic while the foreground is more colorful. It distracts from viewing the background area.	
P205	3			
P206	3	horizontal plane of ridge across from river, repeats the river	brown color	
P207	5	contrast of the water and land, colors within landscape	seeing the homes	
P208	3	It's a familiar scene to a canoer, and the homes tucked into the trees must hear the river sounds. Clearly, there are access points along the bank, so the river sees some use.	Oh, those arid, brown-bordered desert rivers. There is a forlorn feeling to the high, dried mesas, and a loneliness in the trees sparsely dotting the far shore.	
P209	5	River running in front of a few homes, trees around the homes.	Barren hills on the other side of the river.	
P210	3	Water	Dry & brown	
P211	6	The vista is gorgeous! Love the river next to it that divides the desert from the green in the foreground.	The development isn't gorgeous or picturesque or anything. Nitpicking.	
P212	5	River, no development on one side	Opposited bank is brown and seems to have just grass (no shrubs), and there is erosion in places, making me wonder if it's been overgrazed. It's also steeply cut, making me wonder if this is an artificial channel.	

Survey Participant	Rate Scene 3	LIKE about Scene 3?	DISLIKE about Scene 3?	Additional Comments on Scene 3
P213	4	There's still a lot of undeveloped area in the landscape as a whole. Moving water always looks nice. The arid far side of the river looks nice.	The lower left looks like sprawly development to me. I wish there was more vegetation along the bank of the river, although I like the river.	
P214	6	I love the contrast between the river and the golden land on the other side of the river. It is really dramatic.	I guess if it would be anything it would be the little buildings.	
P215	6	river view	dry hills	This looks like the Clearwater River in Idaho
P216	5	nature at work: erosion, steam cutting down to water, ponds		
P217	5	The curving landscape, the water feature	the junky houses	
P218	4	shapes of hills and river	cant tell most veg is introduced, hard not to think about weeds. It's my job	
P219	4	water	the cars and homes disrupt the serenity, a bit.	
P220	4	contrast between 2 sides, water	barrenness makes me wonder what happened	
P221	3			
P222	6	openess, bare hills, water in the middle of arid land.	none.	
P223	4	gives a feeling of wide expanse, contours and various colors in hillside are nice, nice reflection from the water.	buildings look close to the river	
P224	5	Wide open vista		
P225	2			
P226	2	Natural	Dry, even though the main subject (sort of) is wet	
P227	2	perhaps the people living in housing get to enjoy the river	erosion is what I see and don't like if it harms the plateau, possibly it is more alive during a summer season	
P228	3	the cool river	the barren dry earth	
P229	5	love those beautiful velvety hills!	river doesn't seem natural.	houses seem unobtrusive and tidy.
P230	6	Reminds me of southern CA where I used to live.	Nothing.	

SURVEY RESPONSES FOR SCENE 04

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P1	4	The trees.	The place where the trees were.	
P2	3	individual elements, odd composition, atmospheric	scarred landscape, monoculture trees, dead/cold vegetation	
P3	4	early spring and late fall are my favorite times of year.		looks like a forest fire in the area.
P4	5	The trees.	The barbed wire	
P5	3	it looks like working, vernacular land.	some of the material at the forefront of the image.	
P6				
P7	6	Almost an undisturbed open country.	The dead grasses in the foreground and fences.	
P8	6	Pretty peaceful countryside.		
P9	4	clouds, fencing, grasses	logged areas	
P10	6	Natural beauty	Barbed wire in disrepair	
P11	3	It looks very peaceful.	The barbwire fence in the foreground - the large chunks of treeless spots on the mountains.	
P12	4	The fields look like they are growing up and getting out of control, good for wildlife. The ridge(mtn.?) looks like it has had some timber harvesting done, that is a good thing.	The fences need repairing and cleaning.	
P13	4	There is a beautiful transition of tree type mixture as you go up in elevation from the valley. Then it becomes to be a mixture of tree ages possibly related to the lumber industry.	Always sad to see bald spots on the hills where there are no trees.	
P14	5	Low clouds clinging to the mountains. Contrast of bare deciduous trees with evergreens. Pastoral foreground.	Barbed wire fence. Tree in the foreground center interferes with the view.	
P15	6	Pretty rural floodplain area with lots of undeveloped forest.	Nothing.	
P16	2	The field looks like a nice place to hang out. It's also pretty open, with views of big hills	evidence of logging on the hillside, fence in the foreground	
P17	3	The field and colors	The hills	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P18	3		Not a bit country girl	
P19	4	I like the shape of lonely tree.		
P20	4	the grasses	barbed wire fence	
P21	4	All the muted colors.		
P22	4	The fog rolling in over the hill and contrast of green with yellow/gold grass. Excitement of the new and reminder of the old.	The power post.	
P23	6	Beautiful scenery, I like a meadow	Nothing	
P24	3	At least there's still some trees on the mountainside!	Cutblock visible, agricultural clearing.	
P25	2	Interesting color contrasts.	Fire on the mountains, bare patches where it looks like trees were cut down.	
P26	3	Forest regrowth in the background, I like forests with different age and type of trees	Barbwire fences are ugly	
P27	3	the mist	dry not inviting to my eye	
P28	2	There is something calm and relaxing about an open field.	Now this area looks like a straight up floodplain. I can't see water but judging by the lush green topsoil I would say this area is prone to being pretty damp. If I were looking to build anything, I would look elsewhere after seeing this picture.	
P29	2	green, lush	scraggly, patchy trees	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P30	2	Rolling hills.	Blah, bleak foreground. Tree is poorly placed.	Could 1. mimic zigzag lines of the mountain with outcropping penninsular plantings in the foreground (a la Japanese gardens) 2. Have a large cluster planting in the right foreground to bring the eye back from the upper left where the mountain lines take it. 3 If using a specimen tree, make it one with distinctive form/bark to stand out from the mountains and dirt.
P31	2	If I were examining the photo I would like the sole tree surround by barbed wire. Since we are examining this as a landscape, I don't like much. Mostly the hills in the background have some character.	Pretty much everything, its barren. The life that is there is drab and unappealing.	
P32	5	The color contrast between the foreground and background.	The electrical box in the foreground.	
P33	1	NOTHING	DEAD VEGITATION BROKEN FENCE	
P34	3	mountains, green central area	fence line, utility box, brown area	
P35	6	The mist, the trees, and the change in elevation	The fence	
P36	5	Layers of interest from the foreground to the background. The river of dry grass. Fences. The lone (?) birch tree.	The power source with the orange tag. The haze which could be either cloud or forest fire.	
P37	4			
P38	3	the trees and the green field	the logged areas, the blackberries in the foreground	
P39	4	fog, green meadow and green hillside	reflector post	
P40	3	Mist over the mountains	Seem isolated	
P41	5	"home"	can still see other houses	
P42	5	love this one	not much	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P43	3	This scene is nice - reminds me of my childhood where I could roam around. I like the land here - looks untouched for the most part and natural. I even like the old fencing.	The mountains have patches of cleared trees, which takes away from the scene.	
P44	4	trees, hills and grass	fences, flat color scheme	
P45	6	This is a very pretty scene, it captures alot of detail.	nothing	
P46	3	I like how the clouds meet the mountains	I don't like the bare spots on the mountains	
P47	3	Not much emotion about this location. Just indifferent.	Not much emotion about this location. Just indifferent.	
P48	3		The hill looks like it has been excessively logged with only partial replacement. It looks butchered.	
P49	3	there are sort of horizontal stripes of material/color as you move your eye up... pasture, river(?), forest...	clearcuts. barbed wire + blackberries in foreground. and it's overcast/gray. but that's not the point, probably.	
P50	5	cool, moist, reminds me of my hometown in Upstate NY.		
P51	6	messiness and layers of color. appears to be a productive landscape	barbed wire fencing and utility post in foreground	
P52	2	The only thing I really like is the lack of infrastructure (no visible roads, but a few buildings and cars far off).	The landscape appears to have been seriously disturbed by both cultivation (perhaps?) of some sort on the foreground without apparent reseeding or restoration, and serious clear cuts in the hills in the background. The scraggly barbed wire is also unappealing and breaks up the landscape.	
P53	4	I like the green grass and trees.	I don't like the brown grass.	
P54	6	It looks like the Olympic Peninsula.	Nothing. I like the Olympic Peninsula.	
P55		I like seeing rows of pine trees or evergreens on hillsides from a distance. There is a beautiful order to it.	The crummy rusting barbed fence in the foreground.	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P56	3			
P57	5	recovering nature, trees are growing back from logging, but it is still a working agricultural landscape.	feels too neglected in parts, where the tangle of briars is growing on the barbed wire fence.	
P58	5	It's peaceful and has a variety of plant life and both hills and valley.	The logged areas on the hills.	
P59	4	Pretty trees and hills in the distance.	Gnarly fence and brown weeds.	
P60	3	mist	bramble	
P61	3	Nice mountain in the background and looks like a good place to go for a run.	Ugly little dead or hibernating tree and tangled barbed wire fence in the foreground. Looks very hazy.	
P62	4	Cozy fog, mountains, reminds me of New Zealand	Some clear cutting?	
P63	5	It's green, varied, and inviting	Fence lines.	
P64	3	I like the amount of greenery, but some of the hills look sparse. It's much more wild, very few homes. That gives a sense of privacy. I like having different elevations in the background.	It could be just the time of year it was taken, but a lot of the vegetation seems dead.	
P65	4	Natural plants and hillside view Patch of green in the distance	Lots of dead and brown grass and bramble	
P66	4	Farmland is where I grew up so it's very familiar. I like the wide-open spaces.	Blackberries taking over the fenceline, clear cutting scars on the hills.	It looks like it could use a land steward and a little love.
P67	4	The pasture land here speak to a simpler life and the hillside (at least to the right) suggests connectivity with nature.	The un-mitigated forested land at top left and top center are most troubling.	
P68	4	I like the differest layers of vegetation from the valley floor up the hillside.	The tree in front looks scrawny and lonely.	
P69	4	The foothills, trees, and pasture lands. The fog rolling at the top of the photo.	The blackberries and the utility post in the foreground. And it seems like an overcast day...	
P70	5	I love the clouds/fog and the trees.	I guess the electrical box in the foreground, but really I think it's quite beautiful.	
P71	3	colors, open spaces, fog (if its a forest fire ... then I don't like that. :-)	clear cuts.	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P72	4	Openness,		
P73	4	Just snowed - yay, precipitation! Buffer along agricultural fields. Mixed tree canopy on closest slope. Clearly marked utility line.	That fence would *not* contain cattle for long - needs fixed! (And forgive me but...) Goddamn Himalayan Blackberry!!! Not sure what that dead grass in the foreground (behind the blackberries) is - looks like that area could use a grazing to break up the thatch so some cute little wetland plant can thrive. Weird bald spots on the mountain may be a sign of some thriving parasite?	
P74	6	Trees, hills, farmland, looks like Skagit Valley, where my German side settled in the mid-1800s.		
P75	5	looks like good access to floodplain would be present, mix of agriculture and natural-ish habitats even on the valley floor	evidence of cutting practices on hillslopes	
P76	4	There is a fair amount of wooded area. The land is somewhat covered and not bare earth, in most of the hilled areas.	Bald spots on the hills. Barbed wire in the foreground.	
P77	4	The mountains and fog	the strangled looking birch and the rusty fence in foreground	
P78	3	the fog hanging on the the hills	the area looks wet and untraversable	
P79	3	The absence of a lot of houses.	Hills look heavily logged and unhealthy.	
P80	5	fence line	green water	
P81	2			
P82	4			
P83	5			
P84	2		Boring	
P85	5	trees		
P86	5	The mountains, the field in the middle-ground.	Air is not clear enough.	
P87	5	I like the green grass and fog.	The little house.	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P88	5	misty quality, vegetation, peacefulness	exposure, lack of variety/points of interest	
P89	4	The shades of green	the electric conduit.	
P90	4	the hills and green field in the foreground	a little desolate looking and evidence of clear cutting on the hills	
P91	6	Feels East Coast Smoky Mountain, probably great on a foggy, drizzly morning	No color explosion yet	
P92	5	Lovely space except for the dilapidated fencing.	I wouldn't have the fencing in that condition on my own property, but it has an antique feel visually.	
P93	3	green hillside	dead brown grass in foreground	
P94	5	Variety of colors in the palette. Old fences kind of add charm.	The utility box in the middle of charming fences.	The bald spot on the ridgeline is noticeable but not ugly, just part of nature.
P95	2	It does show nature.	Seems like there has been some destruction among the trees on the mountain.	
P96	6	It reminds me of my days living in the Skagit. The newer foreground clearcuts are nicely shaped but I suspect that has more to do with recent State regulations on riparian setbacks.	Someone should cut down the dead tree in the middle of the picture.	
P97	3	fog in the valley	orange sticker on box	
P98	5	mountains, old looking fence, house far off the road and farm looking productive	the utility box, invasive blackberry	
P99	5	I like the tone of the lavender-beige against the green and the beige grass.	Not a fan of the fence.	
P100	6	The fog and trees.	Nothing, it's a lovely photo.	I looks like the mountains near where I grew up.
P101	4	I like the mist, and varying colors and textures of this landscape.	However, I'm not sure I'd want to be here permanently. I think I could also feel a little trapped at such a close proximity to the hills.	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P102	2	no houses built on the hills	Patchy forest management, fragmentation of the valley habitat, potential work done to the hydro system to straighten it out, loss of plant biodiversity	
P103	2	fog on the hills	boring, bleak	
P104	3	Land scape fine.	Photo needs focusing. Needs more sky and less fore ground. Man made structures breaks the natural lines. Tree in center breaks your focus.	
P105	3	How green it is.	The loan tree in the front. And the fence is unattractive.	
P106	3	Outdoors		No particular strength to picture.
P107	5	the variety of landscape items	the fence	
P108	2		Clear cutting	
P109	4	It looks like relatively loosely maintained fields in the foreground--nice rural area.	It looks like areas on the hillside have been clearcut.	
P110	6	Mountains, trees. Nice colors, grasses and open fields look like you can stride into the landscape. The clouds obscure the edge of the mountains--in all it has a softness, including the blurriness of the bare trees.	The utility thing in the foreground--it's not old and weathered, like the fence.	
P111	5	Open space.	Hillsides appear to have been logged.	
P112	4	The untouched appearance of the forested hills to the right	The ramshackle fence, and the snaggy look of the forest on the hills to the right. Looks like sloppy logging practices.	That scraggly tree in the foreground. I don't know whether to admire it or feel sorry for it.
P113	3	Nothing. Topography is uninspiring.	Haze obstructs overall scene, may be caused by either fog or smoke from burning. Upper hillside shows areas of clear-cutting amongst secondary or tertiary tree grow.	
P114	3	agricultural lands rising to hills, mixed but harvested forest, not built up	is it fog, or snow that obscures? this land has long been used, timbered even clearcut	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P115	3	Green pasture	Smog	
P116	5		The brown, dead grass	
P117	4	I like that there is some vegetation along what might be a creek between the two fields. The hills are at least partially wooded	The logging practices, although since only small patches are logged it's likely they are private landowners and this might be a bit more sustainable.	
P118	4	rolling hills, forested area	broken fence, looks like it's winter (which I shouldn't count against it, but still am)	
P119	4	Colors; fog on the ridge; open nature; development on flats, not on mountain; fence isn't obtrusive, blends in.	Barren patches in the forest,	
P120	4	at least the clearcuts are staggered; some "natural" veg is left in field borders. I like the contrast of the fallow vs. cultivated fields and that the buildings are incorporated into the border	fences, obvious clearcuts. This may be unavoidable since we need timber. I prefer the wood posts over the metal fenceposts.	
P121	6	Gives context and vista	nothing	
P122	4	Looks like more good bird hunting; also deer hunting in the regrowing clearcuts. Maybe coyotes also	Looks like Northeastern WA with its typical overcast weather.	Probably decent farming/ranching country.
P123	6	Lots of room to explore. Large percentage of natural landscape.		
P124	2	There are mountains	The hillsides have been clear-cut, there's an ugly fence right in front and a dead-looking stick front and center.	
P125	5	The diversity in plant life, colors and textures.	Nothing. I only ranked it a 5 because this picture doesn't make me fall in love with the landscape (I think it's a fine picture and I like what I'm looking at but I don't have as strong of a reaction to it as say picture #1)	I can see that this landscape has some patches of clear cut, but it looks like the manager is doing it in small sections so it doesn't negatively affect the view.
P126	5	PRETTY, MIST, MOUNTAINS	NOT WATER, FOREST	
P127	4	the golden grass and the green field, the clump of dark green trees in the middle of the hill	bald spots on the mountain, and the post with orange sticker in the foreground	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P128	5	The mountain is beautiful! I love the trees. I also don't mind the fence - it makes me feel like I'm on the edge of civilization.	The weird tree in the middle.	The fog is beautiful, but realistically I'd probably hate being outdoors when it's foggy.
P129	5	Meadow, hills, trees	Fence	
P130	5	It looks mostly untouched	The barbed wire & electrical box in front	
P131	6	mountains	people stuff	
P132	5	Looks like a spot off of highway 2. I like the colors and absence of buildings.	The utility box.	
P133	3			
P134	4	I like the plush green area in the center...must be a creek nearby or it is lined with a watering system I like the dead tree dead center close to the near fence.	the only item I don't like, because I don't know is the electronic unit mid left at the near edge.	strikes me that it could be a winery area
P135	3	Mysterious	Fog makes it look blurred, barbed wire and dead things in the foreground	
P136	4	vegetation, greenery	foggy sky, fence, barren tree in foreground	
P137	3	green field	broken/irregular fence	
P138	5	Rural.	Clearcut patches on hillside.	
P139	6	The lush green floodplain and the little bit of snow peeking out under the fog. And the 2 different fence types, indicating different uses/eras. I like the little bit of built environment that you can barely see in the midground - shows that it's not a fully wild place.	Nothing	
P140	5	I like the opportunity of exploration in this scene! What fun to hike in those hills and overlook the hard work you can do/have done in the fields!. I like the balance of 'wilderness' with farmland.	Hate the electric box in front. I would cover it some how or blend it in around the fence better. Dislike the patches of trees missing on the hillsides. Make me think of clear-cutting or disease die-off.	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P141	4	Again, nature oriented. I like this kind of thing.	Fence isn't the most appealing.	
P142	4	I like the green and the hills.	Kind of desolate and brown.	
P143		mountains		
P144	3	pastoral aspect	seems like a cloudy day and the feel is "sad"	would have preferred a visual contrast of leaves on the lone tree
P145	2	Fog on the mountain.	The scene seems lifeless.	
P146	3	The mountains are nearby.	It feels messy.	
P147	3	Very comfortable landscape. Very relaxing landscape.		
P148	5	Farmland reminds me of childhood, open space with a sense of longstanding human presence (the old fence) seems more comforting to me than the presence of buildings would. Also the fog is atmospheric	The partially re-grown patches of forest on the hillside are distracting and make the scene look somewhat run-down.	
P149	4	nice landscape mosaic.	clear cutting looks like horrible haircut.	
P150	4	man's intrusions a bit more "worked" onto the scene.	no focal point, but at least you get a sense of foreground, middle ground and background	
P151	2	green trees in background	dry, dead looking grasses and trees	
P152	4	This is an interesting area with obvious patches of vegetation based on amount of water and human activity. It tells a strong story of history and land use and is easy to see.	The hillside looks like a bad hair cut done by a preschooler. The fence detracts from the beauty with its irregularity of posts.	
P153	3	the mtns.	too brown lacks color	
P154	6	It is quite paintable.	I would remove the tree in the middle.	
P155	3	The mist creeping out of the hills.	Whole thing feels very fuzzy and blurred. Has holes. Is that clearcutting? Yucky. :-(The whole thing makes me feel uneasy.
P156	4			
P157	5	That there is evidence that somebody lives there (fence, building) but that it seems pretty natural despite it.	Barbed wire fence makes me cringe	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P158	4	beautiful land, love the rolling hills	too much new growth and strip logging, there are holes in the land. I also don't like the really ugly electrical box	This is a beautiful area, but due to fire suppression practices there is no old growth, only low new growth. It's sad and unhealthy
P159	4			
P160	6	A variety of colors and type of land		
P161	3	Looks like a quite place, noth industrial	The barren spots on the hillside	
P162	4	Green leading to hill	Haze	
P163	3	Lots of trees	Fence is in disrepair	
P164	6			This reminds me of a simpler time.
P165	5	nothing	that ugly tree in the middle	
P166	5	It looks like a small family farm in a valley.	Not enough "hedge row" to allow native animals and plants some "sanctuary."	
P167	5	The mountains.	It doesn't seem as majestic as other scenes so it only comes across as okay instead of amazing	
P168	4	mountains and what I hope is fog.		
P169	6	It is very verdant but still natural. People are farming (I like the tidiness of that) and there is still lots of natural setting for animals. The clear cut used to bother me, but I guess I am not as sensitive because after living here for 30 years I can see that it does grow back.		
P170	6	Love the low-hanging clouds! And the tree in the middle, and the many shades of green.	Electricity thingy in the foreground.	
P171		hills are a contrast green and brown. Looks like it would be very peaceful	Haze over mountain.	
P172	3	the clouds	too beige. also looks a bit like southern oregon during drought haha	
P173	4	I like to quiteness.		

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P174	5	Love the fog on the mountains and that vegetation. The green field really looks nice.	Neglected fence--but mostly--how can the fields be SO green in contrast to the rest of the vegetation. Irrigation? From where? It doesn't look like a huge imposition, and we must eat, but it makes me wonder.	
P175	6	Another beautiful scene--again, looks like the Pacific Northwest which is usually a winner for me!	Nothing.	
P176	4	Looks like Mother Nature is winning	broken fences, dilapidated. Looks like someone has given up all hope.	
P177				
P178				
P179	5	trees, nature scene	clear cut areas in the trees	
P180	4	Fore and background. The misty mountain top. I also like the green fields peeking out from the hay fields.	Not much.	
P181	3	trees and mountains	clearcuts	I was expecting to see some horses or cows in the pasture.
P182	5	Clouds & fog over the mountains. Glimpses of nature without visible human structures.	Nothing	
P183	5			
P184	3	Contrast of colors.	It's not appealing in any way.	
P185	1	Nothing.	Blurry, like it was shot from a moving vehicle, washed out, bad composition, slightly tilted.	
P186	4	Looks like it may be in a valley, and I imagine the surround areas are very pleasing to the eye.	I see invasive species! Himalayan blackberry!	There appears to be some farming activity. While farming is necessary and wonderful, not all farming is managed sustainably. It would be disheartening if this were a turf farm.
P187	3	It seems like it has some ecological function.	This looks like someplace I'd pass by on my way to somewhere. Nothing to really focus on in the scene. Don't like those clear-cuts.	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P188	4			This scene doesn't elicit any strong reactions.
P189	6	It feels like a beautiful road trip. A mixture of human interaction with nature. Serene, mountaian backdrop	The utility post in the left corner.	
P190	5	The trees all look very soft, especially with the mist	The barbed wire fence in the foreground detracts from the peace/beauty	
P191	3	The hills look nice.	It just looks plain. Not distrinctive.	
P192	6			
P193	5	Colors, mist, repetition of forms.		
P194	3			
P195	4	clouds : sense of mystery, brown grass good contrast	tree in middle of center front: abrupt change of direction in perception	
P196	4	It looks like there's lots of flora thriving; I like the green field and the tree-covered hills, and the fog.	There's nothing particularly special about it; it just kind of looks like an average place in America, nice but not particularly breathtaking.	
P197	2	The various types of trees in the distance, appears to be more than one type.	The barbed wire fence. Why is it needed in such a remote location?	The field of green looks unnatural compared to the area surrounding it, not unlike finding a golf course planted in the middle of a desert area.
P198	5	Green pasture and trees on mountain		
P199	3	The pasture land, the hills and the trees.	Looks like some clear-cut areas on the hills.	
P200	3			
P201	5	pleasant, natural	brown grass	
P202	3	Clouds & tree-covered hills.	Brown trees & brown grass.	
P203	3	Different use and harvesting patterns of the mountainside	The fence looks like it is falling apart. I want it to be sunny (fog makes everything look creepy).	
P204	2	Nothing	It is drab and has no clear visual focus. The two foreground elements are a sick looking tree and a fence with a utility box in the middle of it-- neither are inspiring.	
P205	4			

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P206	3	maybe the tree in the middle	everything else....it is boring	
P207	4	contrast of the land, colors	trees bare, fence, barbed wire, utility pole, homes in distance	
P208	3	The barely visible blush of trees starting to grow at the end of the winter. I could hope to find some migrating birds in these winter fields.	Oh, the blackberries on the barbed wire seems redundant, and the sagging fenceposts and untended fields argue for tearing down the fences altogether.	
P209	4	Rural, peaceful	A little dry.	
P210	4	Seems calm, green	Dry	
P211	6	Mountains in the mist, natural areas, rustic fences. Little cottage in the background.	That little gray/orange thing is meh? Again nitpicking.	
P212	5	Pastoral landscape, few human structures although land is obviously being used for farming/grazing.		
P213	4	I still like it because overall it's mostly an undeveloped scenery with a lot of green.	Bare patches (logged) on the hillsides, invasive blackberry in the foreground by the fence. I don't have anything against farms, but in general I don't think they're as purely scenic as undeveloped landscape.	
P214	3	I like the bright green of the grass.	The forests up on the hill are a little "patchy"	
P215	6	green hills	nothing	
P216	4	the colors in the hills	the bare tree in front is distracting to the picture	
P217	4	the background scenery of mountains	the junky fence, the dissonance in the tree type	
P218	4	Winter in the north wet! Greens against sleeping trees and dormant grasses	Tree in middle of image is chopped off on top and is distracting in general	
P219	2	hills	there's not much to see	
P220	5	misty, foresty	fences	
P221	4			
P222	5	rolling hills and pasture	none.	
P223	3	fields in different textures and colors, gives a nice farmland feel	barbed wire, one dead tree in center of frame, clear cut patches on hills in background	

Survey Participant	Rate Scene 4	LIKE about Scene 4?	DISLIKE about Scene 4?	Additional Comments on Scene 4
P224	4	Lots of variety.	Barbed wire. I like cold, but this might be too cold.	
P225	4			
P226	2	fog	tree sticking up in the middle, what looks like barbed wire	
P227	1	somebody is farming the area in the lower middle	what seems like unnatural gaps in the tree areas possibly due to human ski industry or poor land management thru disease	
P228	2	the flat green field	the thickening mist, the barbed wire	
P229	4		clearcut scars on distant hills	
P230	3	Likely it's realistic.	It may be realistic, a young tree trying to live, but I do not like it.	

SURVEY RESPONSES FOR SCENE 05

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P1	1	The trees in the background.	The power lines and the bare land under them.	There could at least be wild flowers or something growing there.
P2	3	small human intervention vertically, appropriate scale	all fore/mid-ground, very little background, large horizontal intervention	
P3	4	nature and infrastructure can co-exist together with little impact		
P4	3	The trees. The pasture.	The robo-trees	
P5	3	it's an ecotone!	underused space under the powerline.	
P6				
P7	2	?	The wilderness is disturbed by powerlines.	
P8			I t looks bare (winter)	
P9	3	grass/ pasture, trees, sky	power lines, forest edge	
P10	4	Nature	Power lines are a real eyesore	
P11	2	The variety of trees.	The above ground power lines	
P12	5	Very pretty photo.	I would almost think some type of wildlife would have been present.	
P13	6	Beautiful transition between field and woodland that is nice and juxtaposed by the mountains shrouded by mist in the background. The transmission line are no higher than the tree-line immediately behind it, and are wooden frame, so they blend into the background, are more organic.		
P14	2	Trees starting to leaf out.	Power lines!	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P15	5	Lots of tall trees even though there's a powerline. The powerline isn't huge and it's a wooden structure, so not as much of an eyesore. The corridor is well-maintained - I don't see lots of weeds. It looks like open space is a normal part of the landscape. The right-of-way isn't carved through a mature forest or something like that.	It has a powerline in it, so it's not as scenic, but for the reasons listed above, it's not bad for a scene with a powerline in it.	
P16	1	Trees	power line and the flatness of the landscape	
P17	1	nothing	The whole thing power lines and all	
P18	2		Not a fan of the power cords	
P19	2	I like the trees.	the power lines	
P20	2	the grasses	power lines	
P21	2		Electric wire mar the scene. Nothing much to look at.	
P22	1	Nothing really	The telephone lines and it doesn't look fresh	
P23	1	Nothing	Wires are ugly, get rid of them	
P24	2	Some trees appear in the background	Transmission line and everything around it cleared.	
P25	1	nothing, really.	Power lines in the middle of the country	
P26	2	At least there are some trees	Transmission lines cut straight swaths through forest lands creating an over all altered landscape that is on it's way to an anthropomorphic setting	
P27	3	clouds	too cold and technical	
P28	2	Nice open space.	Powerlines, and the forest seems to have been 'maintained' for the powerlines. Never like to see that.	
P29	4	field, trees	powerlines	
P30	1	There's no concrete.	Overwhelmed by unattractive power lines.	Please plant some trees to screen these! Or at least something at ground level to tie them to the landscape.
P31	4			

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P32	1	The variety of trees and vegetation present in the scene	The transmission lines.	
P33	1	NOTHING	DEAD VEGITATION WIRES	
P34	2	tree line	utility poles, cleared area	
P35	4	The trees	The power lines	
P36	4	The trees, mowed field.	Powerlines= encroaching urban life, ? electro-magnetic field radiation exposure.	
P37	2	I don't like being reminded that human's rely on technology so blatantly!		
P38	2	the trees and field	the powerlines	
P39	1		power lines, dormant trees, grey skys	
P40	4	Reminds me of rural life	Isolation	
P41	1		hate power lines	
P42	3	it feels mellow	powerlines why take a photo of that??	
P43	1	Nothing.	The power lines, mowed looking grass, trees look sad, doesn't look like an area one would want to build a house. The power lines ruin everything.	
P44	2	Not much	powerlines, unnatural landscaping	
P45	6	The clouds look awesome		
P46	5	I like the flow of the electric lines	I don't like the dead grasses	
P47	2	There is not much I like about his location.	The power lines look old, and the field overgrown. It makes me think of a run down old farm	
P48	3	The power poles blend into the color of the scene (better than steel)	The power lines are the main focus and are basically ugly	I wish that there was a better way to distribute electricity.
P49	3	openness with clear, clean edge. the lilt of the power lines is sort of graceful. the light green grass with the sandy color mixed in feels cheerful against the darker background + gray sky	the more mechanical parts of the towers (the metal rings(?)) and the heavy crossbars look foreboding	
P50	2		wires	
P51	3	trees in backdrop create a beautiful texture	lines are monotonous	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P52	3	The clearing creates a pathway (corridor) for wildlife and the tops of the electric poles (also not high intensity transmission) offer perch opportunities for birds of prey to observe grassland species (like rodents). There is still nice foliage in the background with little other infrastructure visible.	Similarly (and perhaps in contradiction) I do not like to see transmission lines and a cut path in natural areas. Appears that a forested area has been converted to grasses to maintain the lines.	
P53	3	I like the hills in the background.	I don't like the wires and the dry grass.	
P54	3	meh.	I used to be afraid of those power poles.	
P55		the hay is a pretty color.	almost everything. It's altogether dull.	Is this whole thing an assessment on what people think about man's intrusion into nature? How we decimate everything that is organically beautiful? Cos if it is, I get it but not sure if I want to answer like 100 of the same but differently worded or pictured questions...
P56	1		Wires	
P57	3	There are trees, some nice sized ones, too. The poles are kind of interesting, too, their shape and the coil things.	It is pretty boring and looks like a waste of land that could be used more productively. It is screaming for some kids to play on it, or a garden, or some grazing horse, something to bring it life.	
P58	2	The trees and hills are pretty, nice meadow.	The power lines/ poles. Strangely mowed meadow.	
P59	2	The trees?	The power lines.	
P60	2			flat, powerlines
P61	2	Trees in the background. Most of it except the power poles.	Power poles and lines--yuck. They detract severely from the rest of the scene.	
P62	2	Nice colors,	looks like a road side. i'd like to look at it driving passed in a car but maybe not get out and romp	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P63	4	Woods!	the powerlines are the obvious problem, but also the mowed fields that are probably not for agriculture.	
P64	1	The openness and greenery.	Obviously the power poles. They stand out like a sore thumb.	
P65	2	Looks like a place that's beautiful if you look in a different direction	Power poles dominate the scene	
P66	4	Good place for running the dogs.	The power lines.	Maybe burying the lines would allow a more natural feel to the scene.
P67	3	The mesic ecosystem vegetation here is most appealing.	The mowed pasture land seems out of place in the ecological context, and the utility corridor seems troubling.	
P68	2	It is a beautiful field bordered by wonderful wildness of mature trees.	The high power wires cut through the scene.	
P69	5	The open brightness of the field. The woods bordering the field seem open and inviting.	The powerlines...although they don't bother me as much as items in the previous photos.	
P70	2	Wait for it... wait for it! The trees! hahaha.	the gigantic telephone/power lines that dominate the foreground. The dry grass that suggests lack of water (natural or otherwise)	
P71	2	open sky, clouds, open spaces	intrusion of man-made structures, detracting from the scene. I feel like I can hear the electricity crackling.	
P72	2		The power poles detract from the vista, the trees are hidden, makes the space feel closed in.	
P73	5	Power line away from stream channel. Varied riparian canopy. Precipitation possibility. Area under power lines could be grazed/hayed. Power lines look well maintained.		
P74	2	Trees	Powerlines, think cancer.	
P75	2	apart from power lines looks relatively natural	the power lines and the barrier they represent	
P76	2	Fair amount of tree cover.	It looks inhospitable to both humans and nature.	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P77	2	the unmowed parts	the mowed parts--uck to the power lines	
P78	3	there are lots of plants	its dosent seem useable for any other purpose then the power lines	
P79	3	I like the field with wooded edge.	Power lines	
P80	3	not much	power lines	
P81	1			
P82	3			
P83	4			
P84	2		Powerlines	
P85	4	trees	dead grass	
P86	2	Not much.	The power line and the gray skies.	
P87	1	I guess the clouds are nice.	Most everything, the dry field, the electricity poles.	
P88	1	trees and grass	wires	
P89	2	The trees	the power lines	
P90	1	yuck nothing	Power lines?? they ruin a good scene	
P91	4	Not bad electricity is necessary		
P92	1	Lovely landscape	But marred by the power lines. But as power lines go, these aren't the worst.	Wouldn't it be nice if the lines were buried?
P93	1	nothing	power poles, dead grass	
P94	4	The power lines are not terrible in this scene because they are old wood and weathered so it fits in better than the intrusion of steel or metal giants.		The clouds in the background may be hiding a beautiful mountain view in which case the power lines would be more distracting.
P95	1	Trees & field.	Poles and lines plus the trees which were probably destroyed to construct and maintain them.	
P96	6	The power poles look like giant aliens marching across the landscape. Pretty cool.	Gloomy time of yer. Leaves on the trees would be better.	
P97	1	green trees	low huge wires	
P98	5	variety of trees, hills, grass, interesting power lines. feeling of openness, but not exposure.		My grandparents used to live by power lines, so I like walking along them
P99	2	Rather a barren scene.	The power wires.	
P100	4	The trees and the field	The power lines.	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P101	2	The trees and hills are beautiful.	The power lines look like they are buzzing, and rather ruin the rest of the scene.	
P102	4	corridor boundaries	corridor boundaries that inhibit transfer of natural goods and services	
P103	1	trees	power lines	
P104	3	Very level photo, back ground pleasant.	To static.	
P105	2	Not a lot actually.	How bare it looks.	
P106	3			
P107	2	the trees	the power lines	
P108	4		Power lines.....but they are nessary	
P109	2	Relatively wild area.	The powerlines	
P110	3	Openness, trees	Power lines are ugly, low and sagging and oppressively heavy-looking.	
P111	2	Trees.	Horrible power lines.	
P112	3	Everything but the power poles	The power poles	At least they're wooden, not metal, but I suppose they are creosoted.
P113	3	Nada!!	Man-made objects (power lines) mar whatever beauty might exist within the natural scene.	
P114	3	mixed grassland, some trees, maybe a river here, hills in background	obviously the need for power lines, which must go somewhere, detracts from a scene	
P115	2	Trees	Powerlines need to be hidden	
P116	3		The modernization (electric lines) in an extremely rural setting	
P117	5	The woodland beyond, and the fact that the powerlines are not located over a field of scots broom. :)	It's okay, but they could have low shrubbery growing under the powerlines - it doesn't HAVE to be grass. Does it?	
P118	2	still rural	the clearing made by the power lines, flat area, the scary looking power lines (look like robots)	
P119	3	Colors; mix of trees; clouds	visible power lines	curious about the cut grass, what it's for.

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P120	2	standing trees bordering field.	Get the power lines underground- not likely for transmission lines I know but I do not like them in the landscape.	
P121	2	trees	telephone wires	
P122	4	Trees, meadow, easy walking	Nothing much, really	The power lines do clash a little with the sylvan beauty, but are a necessity of life these days unless one wants to live like Chief Joseph et al
P123	4	Mountains and natural surroundings.	Spoiled by above-ground power lines.	
P124	3	The hills and trees are pleasant	The wires and pylons are ugly	
P125	3	It looks like maybe someone is utilizing the space underneath the power lines for something (hay production?) which makes the view better. If it's a space that is not being utilized then it's not as nice looking.	It's not particularly scenic. Kind of boring.	
P126	4	grass		
P127	4	Almost everything: grass, trees, hills sky. It really is a beautiful place	I'm ok with the wires, the poles are hideous	
P128	3	The field is beautiful.	The phone lines.	
P129	1	trees	Power lines	
P130	2	The fact that the background behind the path of wires seems wild & untouched	Too many wires, the poles look evil!	
P131	3	meh		
P132	4	The landscape is gorgeous but the powerlines not so much. I like the different shades of green and the open sky.	The powerlines although I like these powerlines more than the ones below. These seem to fit the landscape better being made of wood and evenly spaced. There's a repetition to them that makes them blend in better.	
P133	1			
P134	1	winter is almost over	the electric wiring	If I have to have the wiring, I'd rather have it underground, someday they will make it wireless! and it will be much cleaner
P135	5	Contrast, bright top and bottom which really brings out the middle	Overall too bright	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P136	1	Nothing	cloudy sky, telephone/electrical poles, dry grass	
P137	1	can't find fault with trees, I guess	power lines, clear cut	
P138	3	Rural.	The obvious power lines cutting through the scene.	Wouldn't bother me if I didn't have to look at it every day, e.g., if it was the view outside my window.
P139	6	I'm always attracted to imprint humans have on the land, esp. when they come in long swaths like power line corridors and in places like this can cut right through a more natural environment.	Nothing	
P140	3	This is actually quite a pleasant scene with one MAJOR exception (see below). I like the mix of evergreen and deciduous trees, the well-tended field, and the hint of hills in the background.	Ughh! Bury those wires! They totally block the eye from focusing on the nice aspects of this area.	
P141	3	Reminds me of where I grew up.	Not very inspiring.	
P142	2	the trees	The powerlines and the dead grass.	
P143	2		Power lines intrusive on landscape.	
P144	3	cross section of trees and grasses	power lines - they become the focal point	
P145	1	Not much. Sky maybe.	Boring. Electrical wires. Flattened dry grass.	
P146	2	There are still trees there.	The wires...I can almost hear them humming.	
P147	2			
P148	1	Open space	Power lines dominate	
P149	2	sentinel sculptures.	sentinel sculptures.	
P150	2	not much	power lines a bit obtrusive.....no point to picture other than to show power line	
P151	1	?	powerlines!!!!	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P152	1	The background natural area has its own beauty.	The power system and its partner the missing forest below show a heavy-handed treatment required to maintain this type of system. It looks out of place, removes habitat value, and probably uses chemical herbicides to maintain.	
P153	2	not too much	too barren	
P154	1	Nice variety of trees	Trees are planted too close to the power lines.	
P155	2	The sky.	Blah. Cut grass and phone lines. Makes me feel like I'm stuck in the back of my parents car driving cross country as a kid again looking at boring farmland in one of those big flat square states.	
P156	2			
P157	1	Trees, field	Power lines, power posts	
P158	3		wires are too thick, should be underground or wireless. Don't like the clearing for the wires. Too many little trees	
P159	1		the wires	
P160	3	Trees	power or telephone lines	
P161	2	Nothing	The power lines	
P162	3	Nice mowed grass	No center to picture	
P163	3		Power poles look low to ground	
P164	4			
P165	3	open area	power lines	
P166	1	Not much...	The fact that the construction and maintenance of powerlines requires the area near and under them to be "clean." As they march across the landscape the towers really cut into the landscape.	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P167	2	Nothing really.	It is nothing special. Just power lines. Seems cold and dark.	
P168	3	flat, and it makes me feel like there must be a river near by.	power lines and dead grass.	
P169	4	I don't really mind it, it's not as attractive as the others. If I was lost in the woods I would be SO HAPPY to see it. I would follow it and feel like I was saved! (I am pretty directionally challenged)		
P170	3	Pretty sky.	Grass looks poorly maintained, neither wild nor fully mowed. Electricity poles are ugly.	
P171	3	contrast of the trees and the sky are appealing	power lines make it look cluttered and unhealthy	
P172	3	trees	dead grass and telephone poles and wirts	
P173	2	The wires leaves me cold! Man has caused so much damage to the beauty in the world.	The wires	
P174	3	Those are very neatly designed power lines and nice view in distance. Well maintained field.	We live on electric power and couldn't do without it--but, I just don't enjoy looking at power lines that much.	
P175	1		It looks too barren--the electric lines are all there is to denote any kind of human activity.	
P176	2	More trees that poles	Man has stamped out Mother Nature in most of the scene. Makes me sad.	
P177				
P178				
P179	5	Nature scene, nicely juxtaposed with signs of civilization (the power lines)	pale color (washed out appearing) of the dry grass	
P180	3	The way my eye follows the wires. The trees.	Nothing interesting happening close to the viewer.	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P181	2	Trees.	power lines	As power lines go, those at least look kind of interesting.
P182	4	Am fairly neutral about this one. The electrical wires are an interesting contrast to the nature elements (mountains, trees, sky, and brown grass)	Nothing	
P183	3			
P184	1	Nothing -- unless you are showing why we shouldn't have power lines!	The power lines are very ugly.	
P185	1	Nothing	It's a photo of electrical pylons.	
P186	2	The big leaf maple and cottonwood trees.	I dislike clearcut and powerlines.	Power is a necessity to maintain our comfortable lives, but the infrastructure can certainly be an eyesore.
P187	3	Oddly enough, this looks like a good place to go bug collecting in the summer.	I wouldn't want to hang around those power lines for too long.	
P188	4			This scene doesn't elicit any strong reactions.
P189	2	Trees, grass and open space.	The power lines seem so low to the ground.	
P190	1	Trees, I guess	Ugly power lines, dead grass	
P191	1	Nothing	The ugly power lines that define the space.	
P192	3			
P193	3		Boring	
P194	2	It would be easy to walk through.	power lines	
P195	2	movement to right upper side	ugly telephone wires	
P196	1	There are lots of trees.	The power lines!!!! They're just right there in your face. And the grass looks dry and harsh, not soft or nice to play or walk in. Lots of the trees look brown, too.	
P197	3	Typical Americana middle of nowhere scene.	One word: boring.	Reminds me of how old and outdated some technology is in the States.
P198	1	Too sparse, no color		

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P199	1	The trees.	The wires and poles/structures for the wire.	
P200	1		power/phone lines, dry grass, looks like someone is not taking care of the land	
P201	2	the greenery in the background	the power lines	
P202	2	Line of trees.	Power lines & brown grass.	
P203	4	I like the clean lines of the power lines	I want there to be less grass and trees on both sides of the lines	
P204	3	The symmetry is pleasing and the are is well kept making it not the complete eyesore that power line corridors can be.	Power line corridors are not terribly attractive elements.	
P205	2			
P206	1	almost nothing	almost everything	ugly
P207	2	contrasts	powerline, clearcut, dry grass	
P208	1	Very little....	You can feel the hum from here. Much as I enjoy electricity at home, I hate coming upon this necessity when out in the woods.	At least it's cared for, and there's a reduced chance of grass fire if the wires are downed.
P209	3	Sky and trees.	Power lines. Dryness	
P210	3	Trees	Electric wires, cloudy	
P211	3	It's fine I guess, tress, mountains, grass etc. Just not exciting.	The powerlines are not the greatest view ever.	
P212		The architectural shape of the power poles, open sky, open field	power lines... but really they don't look so bad because the towers and lines are in scale with the nearby trees.	
P213	2	You can see the hillsides, which look like they are probably green. Large trees.	Giant powerlines, mowed lawn. Looks uninspired to me.	
P214	2	cool lines	Power lines.	
P215	4	trees	power lines	
P216	2		wires are ugly- and your eyes focus on that and not the whole picture	
P217	2	the treeline, the field of cut wheat(I think it is wheat)	the power lines	
P218	2	trees in background	mowed grass and power line. Bleah	

Survey Participant	Rate Scene 5	LIKE about Scene 5?	DISLIKE about Scene 5?	Additional Comments on Scene 5
P219	1	clouds in the sky	it's boring!	
P220	4	trees, hint of mountains	not much green, telephone lines unsightly	
P221	2			
P222	3	electric lines are not as humongous as the other ones.	even if it's low-voltage, still see the electricity moving across the landscape. it feels almost too close.	
P223	2	nice out in the country feel	power lines	
P224	3	Easy hiking.	Power lines. Brush looks too thick to hike through.	
P225	1			
P226	1	Not much, boring	Low ceiling and nothing much in it except the electric lines	
P227	1	I too am a power user so what can I say?	it is dry and dreary and not one for which I would want a photo	
P228	2	the fur trees	the phone wires	
P229	5	nice mixed forest.		
P230	5	Reminds me of where I grew up, I used to ski under power lines.		

SURVEY RESPONSES FOR SCENE 06

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P1	3	Gorgeous hills.	The power lines.	What a shame.
P2	4	the scale, water, horizontal reinforcing lines, classic composition	chapparral vegetation, lack of habitation (different than infrastructure)	
P3	3	i am very fond of the desert landscape.	the composition looks industrial, and the infrastructure is unsympathetic to nature.	
P4	5	The river. The bridge in the distance. The wide open space.	The scrub brush.	
P5	3	the landscape between, over and under the power line.	I with the infrastructure engaged more with the landscape. is that possible to do?	
P6				
P7	3	When looking off toward the horizon there are mountains and open land.	Powerlines cut through the land.	
P8	6	Reminds me of driving to Vegas		
P9	3	water, sky, mountains, tumblewee	power lines	
P10	4		Power lines	
P11	2	The view of the river and mountains.	The above ground power lines - the dry look of the landscape in the foreground.	
P12	4	very clear day, pretty background	-0-	
P13	2	I love the wide open valley, and that I can see the river and bridge through the transmission lines (e.g. lack of structures across the valley)	Transmission lines are dominating this scene, making it difficult to visualize the mountains and sides of the valley.	
P14	3	Long-distance view of low mountain ridges is fetching.	Power lines interfere with the view.	
P15	4	I like seeing the rocky shrublands and the river and bluffs in the background.	The many large, metal powerlines.	
P16	3	It's open, with a big broad vista	power lines	
P17	5	The backdrop	powerlines	
P18	3	Nice view of mountains int he distance and water up close	Not a fan of the power cords	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P19	4	I like that it looks vast. I also like the power lines (kind of). They remind me of robots.	nothing	
P20	1	brush and mountains in the background	powerlines	
P21	3		very scenic beyond the electric wires.	
P22	1	Nothing	The power lines. Looks industrial	
P23	4	Scenery nice	Wires and towers ugly	
P24	1	shrub-steppe vegetation in foreground	transmission lines an eyesore	
P25	3	Mountains is the background, river in the background	Ugly power towers and wires. Scrub brush in the foreground	
P26	2	The high desert	Transmission lines, towers emanating out of a ground level environment	
P27	2	mountain range	depressin with commercial use of land	
P28	1	To the right of the photo, that flat section between the mountain outcrops was where a huge glacier once rubbed it's way through. love looking at evidence of ancient glaciation.	Powerlines, powerlines, powerlines.... And these are some of the worse kinds. While they are the modern way we get power out to rural areas,they are to often located to close to homes. and I don't know about you but, common sense tells me living that close to that much flowing electricity can't been good.	
P29	4	hills, natural shrubs	powerlines	
P30	3	Sky mountains water. Variety of textures, line. These power lines because viewed from far away, and their conifer-like shape as well as airier structure, blend in to the landscape better.	Because there is nothing on the left to distract from the power structures, and likewise nothing to the right to point our eye to the water, your eye keeps coming right back to them.	Again, plantings to even partially screen the structures, or a low cohesive planting traveling from lower left to middle right would be beneficial.
P31				
P32	2	The river in the background, and the hills on either side of the river	The transmission lines break up the view.	
P33	1	NOTHING	DEAD VEGITATION WIRES	
P34	4	mountain ridge, river	utility lines	
P35	3	The mountains in the distance	The power lines	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P36	5	The meandering river in the background, the bridge- where does it go? Wispy clouds.	Charred brush, more power wires.	
P37	2			
P38	2	lovely view of the valley	the powerlines	
P39	2	Blue sky, distant bridge, distant hillside	power lines, desert landscape	
P40	3	Mountains and water	wish for grass	
P41	1		this is everything I don't like...	
P42	4	look at the sky and the land	again powerlines??	
P43	1	Nothing.	The power lines ruin everything again.	
P44	4	blue skies, river	power lines, bridge in the distance	
P45	6			
P46	2	the mountains & river	I don't like the electric poles & wires in this one	
P47	3	It looks like the desert in my home state. So it feels familiar	Seems boring. Like the view from the car on a long trip.	
P48	2		The power lines and poles are ugly	
P49	2	velvety hills in distance, the sense of vastness of this river valley	the messiness/haphazardness of the towers... they seem really out of place, just plopped down any old spot -- and the shape of them is ugly -- too many different lines, shaps. the landscape is curvy and the lines are all straight. it's like they are crossing it out (the lines are crossing out the landscape behind)	
P50	2		wires	
P51	5	the structures are all a bit different, like sculpture	power lines break up the skyscape	
P52	2	I like the mountains and water in the background and the open desert scrub in the foreground. Big skies and nice wispy clouds.	The high voltage transmission lines and towers that scar the landscape and do not offer any benefit to wildlife.	
P53		I like the blue sky and wispy clouds.	I don't like the wires or the dirt and shrubs.	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P54		I like the desert.	I used to be REALLY afraid of those power poles.	I thought they were Sleestacks.
P55				
P56	1	Nothing	Wires	
P57	4	the beautiful sky and river and hills, the bridge in the background and the crazy shapes of the towers. If you looked from a different vantage point you could imagine yourself all alone out there. But seeing the wires reminds me of connections to people and information.	The towers and wires make me think this is wasteland, when I am sure there are probably really interesting natural process going on.	
P58	3	The distant hills and river, I especially like the hazy blue look that makes it have more depth.	The power lines and their poles/supports (They do look like cats and Goats though don't they?).	
P59	2	Hills.	Power lines.	
P60	3	mountain vistas, sage brush	power lines	
P61	3	Wide vista, and I recognize the high desert.	Hideous power lines detracting from everything else.	
P62	5	again with the river <3 and the river/desert juxtaposition		
P63	3	Huge vistas	It's brown and too impacted. It's actually a pretty industrial landscape.	
P64	2	The big expanse of the valley and the mountains.	The power lines really ruin this landscape. It could be beautiful except for those.	
P65	5	Beautiful expansive view of distant mountains and water.	Power lines mar the view, but don't overpower it.	
P66	2	Blue sky and wandering river.	Powerlines. The area seems dead.	I love the high plataeu desert but the powerlines make it seem industrial and unnatural.
P67	2	The open sky is most pleasurable in this scene.	The density of utility lines, the excessive blue haze and what appears to be burnt shrubbery contribute to a generally negative impression.	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P68	2	The untouched chaparel part.	Although there are no buildings in this scene, it is quite industrial with the high power wires, towers, railroad bridge.	
P69	2	The background seems remote.	The plants seem scrubby and with the combination of the power lines this doesn't seem like a place I would want to hang out for a long period of time.	No green in the photo makes me like it less also.
P70	2	Uhhhh, the natural scrub grasses?	The power lines, the bridge over the river. The gazillion powerlines, really. And some telephone poles, as I look closer.	
P71		open sky, distant horizon and open space, expansive natural scene.	man-made power lines.	Familiar with driving by similar scenes ... and thinking that the towers looked like lines of marching cat warriors.
P72	2		Again the power poles dominate the scene and draw the eye away from the natural beauty of the area.	
P73	4	The freespan bridge was designed properly to not impede fish. The native shrubbery is in place. The geology is showing. The river has space to meander.	It's not pretty because it's not colorful but it's not supposed to be because it isn't the season for the plants to be in bloom. The power lines could have been better 'organized'.	
P74	4	Blue sky, river, hills. The towers and lines are not attractive but if they are for wind energy, they are tolerable.	Towers and lines are not attractive but if they are not cancer causing, they are tolerable - but probably not if in a bird migration route.	
P75	4	looks like good shrub steppe habitat	power lines	
P76	4	It reminds me of a favorite gorge area. The water looks pleasant.	Obvious intrusion of wires and manmade structures which do not seem to show sensitivity to the landforms.	
P77	2	What you have to look for behind the power lines	the intrusion of the power lines	
P78	1		too dry, too burt, the power line are ugly	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P79	4	Open sagebrush country	Powerlines, bridge, knowledge powerlines come from a dam.	
P80	3	mist on middle mountain making it recede into the distance	dark composition of the foreground	
P81	2			
P82	3			
P83	3			
P84	2	Probably lines for hydro power	Powerlines	
P85	5	mountains, shrubs	technology	
P86	2	The distant majestic mountains.	The damned power lines.	
P87	4	somehow the electric lines seem to work well in this scene.	Overall dark colors	
P88	3	mountains, river, shrubs, ruggedness	power lines	
P89	2	the mountains in the background	The powerlines	
P90	2	pretty view	again power lines just ruin the look and feel of a area	
P91	5	Same as above		
P92	2	Again stunning visual without the lines.	The power lines are random looking in style and spacing.	Can we bury these too?
P93	1	nothing	power poles, dead grass	
P94	3		Overpopulation of power lines and transformer things. In addition the differing shapes of the structures emphasises man's presence.	
P95	2	The mountains and water in the background.	Ugly! The structure to support the wires.	
P96	6	It reminds me of my childhood when we used to have to take a current ferry across the Snake River at Lyons Ferry instead of driving across on the old Vernita Bridge which was dismantled and moved to Lyons Ferry..	The jet contrails remind of the high carbon footprint that jet engines produce.	
P97	2	open space ground cover	power lines	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P98	2	water, hills	ground looks burnt, power lines aren't cute like the other ones. they look mean, and they are scattered all over, not in a nice line. feels like I will be lost in the desert, not sure where the path is.	
P99	3	Like the contrast of the blue mountains, the water and the grey sage.	The powwer wires.	
P100	4	The open space.	The power lines.	
P101	2		The electric equipment dominates the scene, and the ground looks parched.	
P102	4	native plants	major bisection of habitat connectivity	
P103	1	mountains in background	power lines	
P104	3	As a landscape portrait it has some character and eye appeal.	Man made objects take away the grand view. They capture your eye and hold it in the fore ground.	
P105	3	That the hills look blue in the background.	How black and stark the rest of the picture is.	
P106	3			What I've seen all my life.
P107	2	the desert planting	the power lines and the bridge	
P108	6	great view of the pass		
P109	2	Open desert.	All the power lines.	
P110	3	a favorite natural landscape, calm, soothing colors	I'd prefer it without the power lines. They are way too numerous.	These powerlines are taller and don't seem as oppressive as the other set. They have different shapes, including some curving lines, that make them interesting, if not likeable.
P111	4	Lots of open space.	Horrible power lines.	
P112		Everything but the power poles	The power poles	No attempt to blend the poles with the scenery.
P113	2	Nada!!!	Same as previous picture, man-made objects mar the beauty of a natural scene.	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P114	2	ability to see open land forms no matter how austere and dry, river in background	again power lines must go somewhere, and this is very dry volcanic land, hot in summer. there is little here of color, no shade	
P115				
P116	6	It reminds me of the north SF Bay Area. The power lines feel appropriate when placed in the same landscape as a bridge...like power & technology & science mingling with nature.		
P117	4	The Gorge/Snake Eastern WA landscape is epic.	Well the lines disrupt the view - but we all use power, so there you go.	
P118	4	rolling plains, desert area, looks natural	power lines interrupt views	
P119	2	How shades of brown appear blue in the distance; the river winding thru the open hills	Visible power lines	
P120	3	rocky, raw arid lanscape is appreciated, and I dont mind the bridge.	powerline infrastructure.	I do not mean to judge the picture, but in my comments i am refering to my initial response if I was walking right along that viewpoint for the forst time.
P121	2	nothing	Electric wires	
P122	3	The distant vista.	Doesn't look like a hospitable to camp	Power lines not too objectionable here. May be some good fishing in the river
P123	3	Beautiful landscape overall.	Scenery totally totally sublimated by visual intrudance of power lines.	
P124	3	The natural parts are all very nice	The wires and pylons	
P125	3	The blue sky and the ridgeline.	The power lines totally ruin the scene. I realize that power lines need to be placed somewhere but their location makes the landscape look industrial and barren.	
P126	5	i dont really mind the cell phone towers		
P127	2	sky, river, and foreground	the many towers,	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P128	4	The mountains, the view of the river in the distance, the vegetation up front.	The phone lines aren't great, but they pale in comparison to everything else, and don't distract the view too much.	
P129	1	Nothing	All of it.	
P130	3	The mountains in the background, the waterway & the bridge	Too many wires & big bulky towers	
P131	5	desert	wire clutter...	
P132	6	Really like this type of landscape. I can smell the sage brush. It feels like an ancient landscape.	The powerlines.	
P133	2			
P134	2	nothing	the electrical system takes away from the potential beauty of the area	probably kills the wild life even though the reports we are given deny it.
P135	5	intricate, detailed, expansive. Large amounts of sky to balance out the dark earth and structures	Desolate, lonely landscape	
P136	3	blue sky, purple hills	wires and metal frames	
P137	2	water in distance	power lines, dead looking brush	
P138	4	Beautiful scenery.	Powerlines & towers.	I don't mind the towers and powerlines cause I know they are useful, but they do detract.
P139	6	I like the mixing of built and natural environments (towers and bridge). In this case they can coexist with little intrusion (but may have negative health effects of course)	Nothing	
P140	3	The river meandering in the background drawing your eye to the lovely mesas.	The necessary evil of really ugly electric wires breaking up the landscape. I suppose we've trained ourselves to see past some of this but it's still really disruptive to the scene.	
P141	4	Great big view.	Bridge over river and powerlines make it seem too industrial.	
P142	5	The mountains and water.	The powerlines and the dry sagebrush-like vegetation.	
P143			power lines intrusive on landscape	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P144	4	the foreground in contrast w/ the mountains	focal point is again the power lines	
P145	4	Blue sky and mountains on horizon.	Electrical wires.	
P146	4	I like the landscape. It feels warm.	I think all of the wires. i guess they're necessary but...still.	
P147	2		The landscape is very appealing but the power lines completely draw the life out of the natural beauty.	
P148	2	The gorge is beautiful ... What I can see of it..	Power lines destroy the scene	Would probably be a 6 without the power lines
P149	5	beautiful natural forms and shrubs. thin metal structure of power line transformers are sculptural.		
P150	4	shows man imprint over natural scene, but somehow nature winning...composition a bit more interesting than in other pictures. Foreground, middle ground and back ground pull eye out and beyond	don't particularly like power lines, but that is the main focal point.	
P151	1		power lines!!!	
P152	2	The site without the powerlines is beautiful in its own barren way.	The power lines and structures are out of place and detract from the natural beauty of the area.	Viewing this scene, my eyes are drawn constantly to the electrical structures and it is hard to enjoy the beauty.
P153	3	the background	looks dry	
P154	6	the photograph.	The power poles.	
P155	5	Even though it's full of power lines, this one is big and expansive and feels adventurous. Reminds me of driving past all those windmills on the Altamont pass when headed out to the Sierra. I like the haziness and the water disappearing around the corner into the distance. Also the juxtaposition of the scrubby growth in the foreground and the soft appearance of the hills in the distance.	The power lines...but I like the bridge. Hmm.	
P156	2			

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P157	2	Mountains, water	Power lines are really ugly	
P158	1			I'm not a fan of big burned scene's, really not a fan of things above/below the tree line
P159	1	the land is beautiful	the high tension wires are terrible! Kind of like acne on the the landscape	
P160	3	Not much	wires and boring scenery	
P161	2	Nothing	The power linesy	It wouldn't be a bad pictures if there were no power lines
P162	4	Bridge over water	Too much power lines	
P163	3	Nothing	Nothing	
P164	3			
P165	1	nothing	dark landscape	
P166	1	Nothing	Just plain ugly, the only thing worse would be a pipeline!	
P167	4	The mountains, the amount of sky you can see	The power lines.	
P168	4	mountains and water.	the power lines clutter view.	
P169	6	Crazy I know but I like hydro. I'm not sure if I understand how it stifles salmon but I like the energy resource coming from moving water. If I was more of a student of fishes I might not be so supportive of hydroelectricity. I am in awe of the people who can build those things and string those wires!		
P170	4	Beautiful colors and depth!	Electricity poles.	
P171	5	I like the srub grass and great view of hills and water,	power lines...	
P172	4	sky and hills	scrubby plants and wires	
P173	4	Same thing as the previous scene, but not as distasteful. I like the windmill (I think that what it is?)		

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P174	3	Lovely sky and mountains in background. I kinda like scrub vegetation	I know we can't live without power, but I just don't enjoy looking at power lines that much. There is something rather imposing about those that dominates the entire landscape in a rather scrappy, cluttered way- particularly the combination of hte major towers and then those single poles.	
P175	3		A beautiful scene, but the electric wires running across spoil it for me.	
P176	2	While I do like my power and the conveniences and communication it provides	This scene would be so lovely and stark and wild without all the transmission lines and bridge.	
P177				
P178				
P179	3	mountains and water in the background	dark color in the foreground, power lines look like a blight on the landscape	
P180	4	Big sky, lots of blues. Contrails.	It seems that walking in the field might be hard.	
P181	1	the rolling, rumped hills	power lines completely wreck the view	
P182	3	Views of the mountains, water, and scrub brush.	Electrical towers and wires.	
P183	4			
P184	2		Again with the power lines.	I'm not going to like any scenery with power lines as a central item. Sometimes they have to be there I guess but these are too dominant.
P185	3	The various shades of blue as the scenery fades into the distance.	The pylons, the washed out colors.	
P186	3	The dry environment. Sage brush. Rolling hills and plateaus.	Power infrastructure is not pleasing to the eye.	Is there a dam along that water system? Hmmmm....
P187	3	I'm interested in those mountains and water in the distance.	Looks pretty dry and barren. Don't like those power lines.	
P188	4			This scene doesn't elicit any strong reactions.

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P189	1	The water and mountains in the background.	The foreground is so dark- not sure what is going on with the plants, etc. Almost looks like there was a brushfire. Lots of wires, etc.	
P190	3	Natural scrub-brush	Power-lines and towers. At least they're interesting shapes, though	
P191	1	Far off hills.	Everything else. the power lines are ugly land it detracts from nature quite a lot.	
P192	3			
P193	2		Dead, dry, industrial.	
P194	2		power lines	
P195		sense of movement	man made power lines, jet contrails { sense of disharmony	
P196	4	The flora is interesting to look at; I've never lived in a place like this, and I don't think I'd want to (I like more greenery, trees & grass), but it's interesting to look at. I like the river and the bridge in the distance. You get a sense of large space from this perspective.	It's a little too dry for my taste (at least to live or spend time there). The power lines in this scene are a bit less irritating than in Scene 5; I wouldn't want to live under them, but they kind of add an interesting architectural element to the landscape, especially with the bridge in the background.	
P197	4	I like the desert scrub and the contrast of the mountains against the sky.	The power lines and number of towers.	
P198	1		Power lines	
P199	1	the sky, the water, the landform.	The structures for power lines.	
P200	2	mountain view	everything else	
P201	3	the mountains and river	power lines	
P202	2	Hills & open space.	Power lines & bridge.	
P203	5	barren landscapes, scenic mountains	the various powerlines and towers look really disorganized and messy	
P204	4	The color contrast between foreground and background is great and the power line towers add a vertical element that helps combine the two.	There are too many power line towers and the scene gets busy.	
P205	3			

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P206	4	far off mountains, water and jet contrails	ugly electric grid	
P207	2	bridge view in background	powerline, sage brush, haze, choice of location	
P208	1	Somewhere there, there is a river gorge and fabulous blue sky.	The electrical towers.	
P209	3	Blue sky. River.	Power lines. Dry desert look. No trees.	
P210	4	Open, body of water	electric wires	
P211	4	It's a really nice vista, like the desert shrubs in the foreground and the water/mountains in back.	Powerlines. Right up in the middle of everything.	
P212	2	Blue sky, contrast between desert and hills	Feels desolate--arid desert, giant towers.	
P213	5	Without the powerlines this is a beautiful scenery: the river winds lazily through the field of view. The desert vegetation in the foreground looks rugged and wild. The hills are nice.	Powerlines. These particular ones look more interesting to me than in Scene 5, but they're not that beautiful.	
P214	3	cool blues and sage lands. The geometry of the power towers.		
P215	4	desert view	power lines	
P216	4	the mountain range and water in the background add to the picture	again the wires and metal towers are a distraction	
P217	4	the sweeping vista, the natural features	the powerlines	
P218	4	Here the power towers are more interesting in shape. Like the contrast of the sagebrush and the distant blue hills	the power lines themselves are distracting	
P219	5	blue skies	i pretty much like it all	
P220	5	Mountains, water	The Holy Grid	
P221	2			
P222	5	I actually prefer this to the one before. feel safe, removed compared to the one before. and perhaps surreal.	that towers are blocking some of the views, but not so bad.	
P223	2	good sage/scrub expanse with bridge and river in background	power lines, jet contrails.	
P224	4	Open space.	Power lines and highway.Ope	

Survey Participant	Rate Scene 6	LIKE about Scene 6?	DISLIKE about Scene 6?	Additional Comments on Scene 6
P225	1			
P226	1	not much - blue sky	transmission towers, nothing much else	
P227	2	power is going somewhere to be useful I hope, I guess it provides employment	/overuse with man's needs and definitely not for man's enjoyment, may have run out some of the animal life	
P228	5	the lake, the viaduct, the mountains, blue skies	pylons	
P229	4	like the long view of the distance	the power lines look chaotic from this view	
P230	5	It's reality, nature with the reality of technology.		

SURVEY RESPONSES FOR SCENE 07

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P1	1	The trees.	The roads and power lines.	
P2	2	not much. safety of the roadway	snow, long/contrasting shadows, scarred hillside, lack of distant view, boring and commonplace	
P3	5	reminds me to the 10's of thousands of miles I have driven accross this type of landscape.		
P4		The trees. The snow.	The road.	
P5	2	snowy mountains.	it reminds me of traveling during the holidays, which is terrible.	
P6				
P7	4	It's clean and well maintained.	Open land has been cut through by highways, bridges, and powerlines.	
P8	6	Reminds me of where I grew up.		
P9	3	sky and trees	roads and forest edge	
P10	4		Power lines	
P11	3	The trees along the freeway.	The missing trees from the mountains in the background.	
P12	4	Snow covered hill in background.	-0-	
P13	6	Highway is bordered by trees, and slopes upward. Transmission lines are barely visible and are minimally detracting from the picture.	N/A	
P14	2	Pretty ridge in distance...	... with power lines on top. Would be better if they were behind it, or even in front but lower so they weren't sticking up on top.	
P15	1	There are some trees and pretty snow, I guess.	This is just a view of the type I often see when I drive down the interstate, so it's very unremarkable, even though it's in a relatively pretty area. The asphalt and overpass dominate the scene, and the high-voltage powerlines inthe background are not very scenic.	
P16	2	Open, snowy	The road. I don't want to hang out on the freeway	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P17	1	nothing	the whole pic	
P18	2		Highway	
P19	4	There is nothing specific that I like about this scene. I like the way it make me feel; like I'm about to go on an adventure.	nothing	
P20	2	snow and trees	highway	
P21	3		too much road.	
P22	2	Snow	The roads, the power lines I the distance, etc,	
P23	3	Nothing	Roadway,bridge ugly	
P24	2	clear sky? some trees	sight of asphalt, transmission lines in background, hills cleared of trees	
P25	2	Not much- dusting of snow on the mountains.	Freeway, power lines	
P26	1	nothin	straight lines, built environment	
P27	3	hill in background	too much hwy in picture	
P28	2	There is no traffic	I ca see powerlines in the distance and they look terrible on top of that hill. A real beauty killer, they can be.	Some states (Vermont, Maine) have barred advertisments and power lines from highway roads and mountaintops to protect the 'asthetic beauty'of the highways for travelers
P29	2	trees	roads	
P30	5	As a highway scene, it's very attractive. Well maintained throughout, pleasant view - feels safe.	Too bad we need highways.	The island on the left would be improved with some mid-level plantings - (a hedge of "Flower Carpet," "Betty Prior" "Rosa glauca" or Rugosa?) not thick enough to screen the other side, which might close in the driver too much.
P31				
P32	3	The light dusting of snow on the hill straight ahead.	The highway in the foreground - trucks and cars present.	
P33	4	TREES SNOW	BRIDGE HIGHWAY	
P34	4	tree line, snow covered hills, skyline	utility lines on hills, guard rail on roadside	
P35	5	The trees and snow	The road and guardrails	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P36	4	Snow, bridge, trees, the wooden fence on the left.	Freeway, asphalt, more power lines, highway guard fencing on the right.	
P37	3			
P38	2	the trees in the foreground and the hillside in the background	the freeway	
P39	3	jet lines in the blue sky, evergreen trees	highway, not enough snow, road embankment	
P40	4	Trees and snow	no buildings	
P41	4	what I know is fresh air	concrete	
P42	4	SNOW!!	highway??	
P43	1	Nothing.	Looks just like a freeway area. The mountain's trees look mostly cleared away. The grey of the road looks sad next to the half melted snow.	
P44	4	SNOW! and trees	the road, and associated manmade structures	
P45	6			
P46	6	I like how everything is natural beauty taken from someone driving down the road, the whole scenery is nice	There is nothing about this picture that I dislike	
P47	4	Looks like the start of spring.	Nothing to really dislike	
P48	4	The overpass isn't very obtrusive	This would be very pretty w/o the power lines across the top of the hill. Just a little lower on the hill would hide them in this view.	I accept the guardrails, fences, and road as a requirement.
P49	3	bright, sunny, snow on hill helps you make out the gentle/subtle changes in its topography	the road is very imposing	
P50	2		noisy road in natural setting, wires on the crest of the hill	
P51	3	not as bad as many highway scenes	would not want to be here without a car, a monotonous barrier between patches of green	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P52		The pine trees and snow-dusted hills	Again, the road dominates the landscape and there is a lot of other infrastructure (bridges, transmission lines, guard rails, other vehicles), signage). while there is some natural value, looks very disturbed.	
P53	5	I like the dark trees, blue sky and snowy hillside.	I don't like the bare dry road.	
P54	5	Feels like coming home from the eastern part of the state. Also, no snow on the road. And no litter that I can see.	Do I have to dislike something about it?	
P55				
P56	2			
P57	2	trees and snow	concrete everywhere. again it feels like unimportant land.	
P58	2	Hills, snow, trees.	Road, overpass, powerlines.	
P59	3	Trees, snow, hills.	Ugly highway.	
P60		snowy hills, path into distance	road	
P61	3	Snowy hills in the background, the mix of snow on the rest of the landscape.	Industrial-looking road and bridge.	
P62	2	If i'm here, i'm probably goign somewhere awesome	I get car sick! Also, not as great as being *not* in a car	
P63	2	Not much to like is there?	The roads, the bare landscape.	
P64	4	The view of the mountains, the trees.	The power lines on top of the mountain again ruin the scene.	
P65	4	Trees and snow	Road and overpass	
P66	3	It's not in the city. The fence line to the left is nicely constructed.	Powerlines on the horizon, miles and miles of concrete cutting through the hills.	
P67	2	The open sky is most pleasurable in this scene.	The thinned and somewhat unpredictable clustering of trees on the far hillside suggests an unstable ecosystem. The excessive asphalt is also out of place.	
P68	3	The road is well protected by the large conifers.		

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P69	2	Snow. Trees. Reminds me of driving over a pass...	Clear-cut hillside in the background. Roughly half of the photo is taken up by roads.	
P70	3	Snow and trees. Minimal development. Reminds me of Mt Shasta, which I love.	Power lines on the ridgeline instead of blending with the landscape. Roads, detract as a landscape, but they aren't horrible.	
P71	2	Hmmm. Blue sky	contrail, pavement, powerlines	
P72	3		There not really anything to like or dislike, it's just a place to travel through.	
P73	5	Snow on the ground. Seed trees left on distant mountainside after harvest. Road drainage provided. Good-sized shoulders on road. Road has been maintained.	Near canopy monoculture.	Looks like I-80 near Tahoe.
P74	5	Trees, snow, highway relatively maintained.	What kind of powerlines in the background?	
P75	3	natural-looking hillslopes in distance	large highway, movement barrier for wildlife species	
P76	2	Trees and snow.	The width of the road, the bald hill with power lines on top.	
P77	4	This is getting predictable. The nature is lovely	The manmade intrusions are unwelcome	
P78	4	the light dusting of snow	human infrastructure	
P79	3	Blue sky, snow	Infrastructure	
P80	5	color of sky and tree line against the sky	shadows across road	
P81	3			
P82	3			
P83	3			
P84		Blue sky & Trees	Highway / Powerlines	
P85	2	trees	highway	
P86	3	Winter scene in the mountains.	The road takes up too much of the scene, and I don't like the power lines on the ridge.	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P87	1	blue sky	the road, electric lines in background, there is not much green.	
P88	3	snow, trees	linear highway	
P89	3	The snow and trees.	The man made things.	
P90	4	love the mtns and snow	The road and overpass without them it's a 6	
P91	5	Great if I am heading to snowboard	Not so great if I am camping here	
P92	5	A drive I would like to take.	Again with the power lines	
P93	2	not much	road is the center of the picture	
P94	2		Power lines on the ridgeline definitely make this scene less attractive than the previous ones.	
P95	2	The snow laying on the ground.	The power line supports, the bridge and guardrails.	
P96	6	It reminds me of driving to Seattle on I-90 to go see the Huskies. By the time you get near Cle Elum you're halfway there.	We ought to fix the pavement which reminds me of paying taxes.	
P97	4	trees, the overpass looks cool	guardrail, powerlines	
P98	3	trees, snowy hills	big, boring road. feels like middle of nowhere, in a bad way.	
P99	3	Powder snow is pretty.	Looking at the long stretch of freeway.	
P100	5	The open road.	Nothing, it's a fine photo.	
P101	3	The pine trees are gorgeous.	I wish that it weren't quite so obvious that they tore down pretty trees for this highway. Also the electric equipment is dominating view of the hills.	
P102	4	wide medians	wide medians with no plantings	
P103	3	snow on fields	road ways, power lines	
P104	3	I like snow scenes. although there's not much of it.	Again. this is a side of the road photo. If this photo was to be used as a commercial photo for a holiday trip it might work.	
P105	4	All of the trees, and the snow on the hill.	The roadway.	
P106	2		Hill appears almost denuded. Telephone lines added.	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P107	2	the trees and the mountains	the highway	
P108	6			You must me concerned with the power lines in america....they are there for a reason!!!!
P109	2	Blue sky, white snow.	The road dominates. Power lines on the hilltops.	
P110	4	This scene evokes experience of escape from western washington to the dry side--positive associations, as the sky becomes less cloudy.	Don't love the road itself or the other human structures. Highways cut a very wide swath in the landscape--well beyond the roads.	
P111	3	Trees.	Horrible power lines, roads, bridges.	
P112	3	At least there's some green trees in the foreground	The further hills look raped, and the power poles dominate the skyline	What a lot of terrain taken up for a four lane highway.
P113	4			
P114	2	as roads go, this is good for driving. surrounded by hills at least	a road scene isn't attractive to me, but at least there is little traffic	
P115	4			
P116	5			
P117	1	Everything not on or related to the road. The road has been nicely plowed, tho!	wide lanes; nowhere for animals to cross safely; significant tree removal on the hill beyond...	
P118	4	trees, hills in background, snow	highway is super intrusive, slices through trees, doesn't look natural any more	can see the power lines but they don't bother me as much as the highway
P119	1	Some trees are left in place.	Few trees are left in place; visible power lines; sparse forest on the hills where the power lines are, vast pavement/freeways in mountain scene	I like that I can drive thru mountains easily, as on a freeway, but we have so many people that over populate our planet that road-building has become a necessary evil. If I wasn't the driver, I'd sleep thru this pass.
P120	4	power lines are set back, and although vieable in the horizon, they are distant and not as intrusive. That wood fence is ok and the road border is what is expected in an farmed/grazed arid lanscape.		Kind of ambivalent about the scene.
P121	4	landscape	road and overpass	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P122	3	Probably some beauty out of sight of the road	Road dominates	Ho-hum, Let's use the road to move on.
P123	3	Natural beauty is still somewhat intact.	Power lines and size of the hiway and appertinances is very intrusive.	
P124	4	Snow, hills, trees	pylons	
P125	2	Snow.	Looks like the view from a freeway (not attractive). Again, power lines ruin the view of the hill.	It looks like the hill/mountain had been cleared at some point. If there were more trees on it, I think it would make the view much nicer.
P126	2		Road. large road.	
P127	3	trees and sky, and fence on the left	road, overpass, towers on ridge, guards on right	
P128	4	The snow, the trees on each side of the road, the shadows of trees on the road	The road, the barrier on the right, the telephone lines in the distance	
P129	3	Trees	Road, power lines	
P130	4	It looks pretty well maintained, & it looks like they build around nature, not thru it		
P131	3	snow, mountains	freeways are lame, unless you need to go somewhere in a car...	
P132	4	The snow and trees. The idea that I'm on the freeway heading to the mountains and an adventure.	The road and powerlines.	
P133	4			
P134	3	end of winter coming	wonder why there aren't more trees on the hillside	
P135	2	Road has a pattern on it, makes it interesting.	Spotted snow, wires in the background seem semi-hidden, but not well. Wires don't make pretty scenery.	
P136	4	blue sky, contrast of dark trees and snow	highway	
P137	2	snow	road	
P138	2	Not in the city.	Highways.	
P139	6	I like the combo of things going on here: snow, trees, hillside, farm-like fence, highway, bridge, power lines	You hope there is some natural-like corridor for animals to safely cross that highway.	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P140	5	This makes me think of driving to get to a ski resort Love the evergreens	Dislike the towers in the background.	
P141	3	Looks to be somewhere mountainous and that appeals to me.	Can't really get excited about an interstate.	
P142	4	I like the pines and the snowy hills.	The highway.	
P143	3			
P144	4	the snow and the pine trees are nice	rather drab and too much road	too gray
P145	4	Blue sky. Seems like it's high in the mountains.	Electrical wires.	
P146	2		It feels sterile.	
P147	3	Roads that mesh with the landscape are perfect.	Once again power lines inhibit the natural beauty.	
P148	5	Beautiful view, hills, snow	Roadway, too much pavement	
P149	3	snow dusted landform with dark green trees.	stupid road paving over the earth!	
P150	3	like the idea of the road taking you away	kind of boring	
P151	4	trees, snow	asphalt highway	
P152	1	Blue sky. We could use some.	This view has been damaged beyond repair through human activities. The few trees along the road cannot make up for the imposing structures and the vegetation removed from the hills.	It looks like an area that a tornado went through and haphazardly wreaked havoc throughout the landscape.
P153	5	depth and the sharpness	where am I going?	
P154	6	The Divided highway.	The burm between the highways could be slanted with landscaping.	
P155	4	I want to know what is just around the bend! I like the blue sky with just a dusting of snow...feels transitional, like either winter has JUST arrived, or it's on its way out and spring is coming.	Dead end feel to the road, lots of concrete.	
P156	2			
P157	4	Seems like you're going somewhere fun	Lots of road, power lines in the midst of pretty landscape.	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P158	1	I like snow!	Not a fan of seeing high tension wire's running on ridges, I understand the need for them, but find them ugly	highway shots are a bit off putting based on the gross disruption of the landscape, but highway's are necessary
P159	3			
P160	5	On the road again		
P161	5	Beautiful color contrast, sky, mountains,trees,and snow	Too bad the power lines are in the back ground	
P162	5	Nice center	Haze	
P163	3	Divided highway		
P164	5			Reminds me of road trips we used to take when we were kids.
P165	6	open	nothing	
P166	2	There is at least some semblance of openness...	It reminds me how much of a car culture we have. Then to add insult to injury - not only do we chop up the landscape with huge multi-lane highways, we march huge towers and power lines across it.	
P167	4	The snow covered hill, the green trees	Nothing really special. The road and bridge are distracting.	
P168	5	it feels like it's near a mountain pass.	the look of highways in general.	
P169	6	Looks like I'm going somewhere! I like taking out of town guests over Snoqualmie Pass to the East Side of the mountains. They think all of Washington is a forest. I like the Wild East part.		
P170	2	Blue sky.	The mountain looks naked without trees.	
P171	3	well it looks sunny	This landscape is boring to me. Road goes on and on and not much to look at.	
P172	5	snow! especially on the hills in contrast with the trees	too much highway	
P173	5	Great...travel and movement!	The road.	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P174	2	Nice snow, nice trees. Well maintained road and overpass--so straight!	Why is that hillside so darn bare and what are those towers? Skiing? Just seems an imposition.	
P175	5	The road is more believable than the road in Scene #2, if that's what it was.		
P176	1		That's a lot of road. At least the powerlines are in the distance. From this far out, they almost look like part of the landscape	
P177				
P178				
P179	5	trees, snow	emphasis on the road more than the natural part of the scene	
P180	3	Blues and whites.	Feels barren.	
P181				
P182	4	Trees, mountains, snow. And, again, I like wondering about where the road came from and where it's going.	Nothing	
P183	3			
P184	2		To much emphasis on the road.	
P185	2	Not much.	The roadway, the washed out colors, not very sharp focus.	
P186	3	I love the contrast of the white snow against the evergreen trees.	Roads aren't pretty.	
P187	3	As far as highways go, this one is fairly scenic and looks like it would be pleasant to drive on.	well, it's a highway. I wouldn't stop and hang out there.	
P188	4			This scene doesn't elicit any strong reactions.
P189	4	trees, mountains. I suppose if I was on the highway, this would be a good view to have. Blue sky.	Not a place you would feel like getting out of the car.	
P190	4	the hill and trees are pretty	I'm not a huge fan of freeways aesthetically	

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P191	2	The trees and the hill are OK.	Again there are power lines and the cement highway and overpass are blah. Just the usual sight one sees from their car all the time.	
P192	4			
P193	2		Boring	
P194	2		It looks inhospitable.	
P195	5	movement clearly to right, peaceful: sense of mystery around curve	?	
P196	3	I like that there are trees alongside the highway.	All the grass looks brown and dead. The trees on the hill are sparse. There's nothing interesting in the median (like shrubs or flowers).	
P197	4	Not as off-putting as some of the other scenes. There is construction, but still plenty of nature around without feeling like a forced attempt.	Power towers in the distance.	
P198	1		Street	
P199	2	The snow and trees.	Too much road.	
P200	2	trees, snow, mountains	road	
P201	4	the mountains, remote area but accessible by roads	power lines in background	
P202	3	Trees & snow-covered hills.	Highway & distant power lines.	
P203	5	Makes me feel like I am about to go skiing. I like the feeling of transitioning between weather patterns (snow/no snow)		
P204	2	Nothing in particular. It's not entirely displeasing, but there isn't anything to like about it.	It's boring with no visual focus and no striking features.	
P205	2			
P206	2	snow	it's boring	
P207	5	trees and snow	paved road and power line in background	almost didn't see the power lines, but once I noticed them, I knew they were there.

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P208	3	Handsome scenery along the interstate....if you have to drive, a least it's got some interest. I suppose the absence of litter is a good point.	No strong dislike....but that may be based on an affection for road trips or heading to the mountains for hikiing. Happy to have a drivable road.	
P209	3	B.ue sky. Trees	Boring stretch of the road.	
P210	3	Clear sky	snow, road	
P211	4	Snowy mountains, like the rustic fence to the left. Feels nice and open.	It's a freeway so meh, bridge going over and guard rail could be a tad more graceful.	
P212	5	Reminds me of being on a roadtrip up into the mountains to ski. Road is empty, not crowded, so I feel relaxed.		
P213	2	Big trees. Snow.	Giant highway takes up most of the image. Powerlines, mowed median. Doesn't look very natural.	
P214	3	I like the silhouettes of the trees, and the sprinkling of snow.	The road.	
P215	6	snow covered hills	nothing	
P216	5	similar to a previous scene but more trees make the picture more appealing.	the shadows cutting across the road cut the picture in half	
P217	3	the mountains in the background	the man-made roads	
P218	1		over exposed image. too much straight road	
P219	3	snow	highway	
P220	6	snow, trees, foothills, suggestion of heading off to an adventure	Antennas on top of foothill	
P221	3			
P222	3	snow!	towers in the backgrounds? actually not, I'm more bothered by the huge paved surface than almost non-visible towers.	
P223	2	snow and trees	not a big fan of highways in landscapes, power lines in background, jet contrails	
P224	3		Power lines and highway.	
P225	1			

Survey Participant	Rate Scene 7	LIKE about Scene 7?	DISLIKE about Scene 7?	Additional Comments on Scene 7
P226	4	Looks like lovely day, but cold	Lots of road (sorry, I'm a photographer and trying not to let that influence me but its hard)	
P227	1	it's outside and snow will provide water	poor land use or management, or lack of it, on the far hill	I drive, and I depend on roadways cut through natural growth
P228	2		the bridge, the road barriers	
P229	4	it's generally ok		it's not that I dislike the scene, it's just generic. the collection of power lines doesn't look natural.
P230	3	Trees and hills.	Trees and hills about to be overcome with suburbia.	

SURVEY RESPONSES FOR SCENE 08

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P1	2	The trees.	Fences, house and power lines.	The power lines really changed the view from beautiful to meh.
P2		the wires actually. gives that cut along the slope a reason for being there	its similarity to scene 2. same as above	
P3	6	still like it, despite the additional power poles that have been added.		still like it, despite the additional power poles that have been added.
P4	5	The trees. The snow.	The road.	
P5	3	ah, yes, I get it. I don't notice the things I liked as much now with the powerlines in the back.	it feels like suburban hell.	
P6				
P7	5	peaceful open country	Civilization is encroaching on the land.	
P8		Peaceful		
P9	2	mountains and sky	road, houses, and logged areas	same image as above
P10	4		Power lines	
P11		Very clean looking. Looks like a peaceful country town.	The above ground power lines.	
P12	5	Snow scene looks relaxing, and timber looks pretty too.	0-0	
P13	4	Transmission poles somewhat hidden behind a line of trees.	I feel like the transmission lines take away from the sense of edge of habitation now. The "edge" is not as distinct now.	
P14	3	Pretty, low mountains on the right side. Pastoral scene in the foreground.	Transmission lines!	
P15	4	It's a nice rural scene with many acres of undisturbed forest.	The metal powerline.	
P16	5			Already did this one
P17	5	the mountains and fence	the buildings	
P18	3			Um... rated this one already
P19	4	I like the snow and the fences.	the power lines	
P20	3	the snow and how sunny it looks	the road the powerlines	same as scene 2 but with powerlines
P21	6	already talked about this one		
P22				
P23	6	Already saw this scene without the ugly towers in the background	Ugly towers	

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P24	2	trees/greenery on mountains	transmission lines now an eyesore	
P25	3	Neat, well kept buildings, mountains	It looks like the trees were cleared so the power lines could be erected.	
P26	1	same as scene 2	same as scene 2	
P27				
P28		SEE COMMENTS FROM #2	SEE COMMENTS FROM #2	
P29	2	trees	powerlines, regimented lines	
P30	2	As above	Power structures have been added	The structures are not that noticeable.
P31	4	Still like a ranch.	I noticed it now has power lines. I suppose I do like it less, however, I kinda get a kick out the contrast between nature and technology	
P32	2	The blue sky, sunshine, and snow.	Transmission lines in the background.	
P33	3	SAME AS LAST TIME I SAW IT	ADDITION OF WIRES	
P34	4	sky, mountains, snow, cute white house	garage on left, whatever that is on the left, utilities?	didn't we already see this without the utility wires on the left
P35	4	The trees and snow	The road and buildings	
P36	3	See scene two above.	The power lines you photoshopped out of scene two.	
P37	3			
P38	3	see comments from scene 2	the powerlines	I see what you did there, tricky.
P39		same as scene 2	same as scene 2	
P40	4	Homey and clean	Mountain too close	
P41	5	deja vu	again, snow	
P42	4	snow!!	is this not the picture from above??	
P43	2	I looked back at the scene that is like this one, and noticed added power lines here.	Power lines make it a bit worse than the first version.	
P44	4	snow and trees	fences and hoise	this is the same as one of the previous images
P45	1			
P46	3	The scenery is very nice, the mountains & the snow are perfect	the electric wires, the house & barn	
P47	3	Same as scene 2. Same exact photo		
P48	3		Who put up the power line?	

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P49	3	same as earlier scene without power lines	same as before, too	i wonder if i'd "dislike" the power lines/towers more if the trees in the foreground were leafed out... because then they would not blend in as well. in winter, they look vaguely similar to the leafless deciduous trees
P50	2		same photo as before but with the wires left in.	
P51	4	same as before	powerlines are not so bad, blend pretty well and have interesting forms, but detract from the overall stillness of the landscape	
P52	2	The snow is nostalgic for me and I like the pine-covered hills.	road dominates the landscape and there is a lot of other infrastructure (buildings, fences, signage). This time there is an added scourge of transmission lines through the area that I like. while there is some natural value, looks pretty disturbed.	
P53	5	The same as scene 2.	The same as scene 2.	The same as scene 2.
P54	3	Still the nice clean lines.	Did you put the Sleestacks back in?	
P55				
P56	3			
P57	2	Not much anymore. The mountains and trees and natural aspects are the most interesting still.	The additional towers makes the scene feel like it has no control over uncaring, human development.	
P58	4	Mountains, snow, trees, sky.	Powerlines,	
P59	3			
P60	4			I'm not sure what to make of this one, the powerlines were either added to taken away from the first version of this but they aren't close enough to factor in for me.
P61	3	A relief after looking at the previous scenes. Nice mountains and trees, wide vista.	Big road and rectilinear features.	
P62	3	mountains!	likely view is from a car again	i already did this one, see above

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P63	2	same as my comments on scene two.		
P64	3	The beautiful mountains, forested area, openness of the area.	The power lines in the background distract from the view.	
P65	4	Mountains in distance	Plain road	Saw this one already
P66	4	Same as above.	The addition of the powerlines. It's not so idealic as the first one.	I'm sensing a theme here.
P67	4	The expanse of nature is beautiful, simplicity of a rural life is also inviting.	I am concerned about the thinned tiles in this landscape matrix, especially on the hills at the right, these do not seem natural. The utility lines traced through this image makes it less appealing than a similar image without these lines.	
P68	3	It is the rural picture I saw already.	I saw the power lines and towers as soon as I looked at this picture.	
P69	4	Same as before....	Power lines now in the background...although they don't dominate the photo so I don't mind them much.	
P70	3	Snow and trees.	The ski lift breaks up the landscape, in addition to the road that I mentioned before.	
P71	3	blue, open sky, still like the sense of rural living ...	power lines don't bother me here as much as other places, though I still dislike them ... though they make me dislike the fence less in comparison.	
P72	2		This is the same as one of the earlier scenes. There is nothing remarkable about it.	
P73	5	Same as above. I hope that the power lines were placed wisely. I like it when humans 'own' their need for resources.		You sneak - you added a power line! LOL
P74	4	Trees, blue sky, snow, well maintained home.	Powerlines are lower, maybe cancer causing.	
P75	2	hillslopes in distance look natural	power lines, valley floor developed	
P76	3	Same as scene 2.	Same as scene 2.	
P77	4	The nature	the prim farmstead and the power lines weren't in the first picture	

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P78				
P79	3	The idea of living on a ranch/farm	Powerlines	
P80	5	Same as before	same as before	
P81	5			
P82	3			
P83	5			
P84	3			Same as scene 2 but with power lines...tricky.
P85	3			
P86	4			This is the same as Scene 2.
P87	2	same as before.	the added power structures.	
P88	4	repeat?		
P89	2	The contrast	Powerlines.	
P90	4	same as scene 2	this time the power lines grab my attention in a bad way	
P91	2	Like less this time		
P92	4	Still a lovely lane.	But lovelier without the lines. But they are as unobtrusive as one could hope for, I suppose.	
P93	2	didn't we already rate this one?		
P94	3	Fence line draws the eye away from the power lines.	The height of the towers.	Power lines would be less intrusive if they were shorter and uniform shape.
P95	4	Same as first shot of this.	The power lines and supporting structures.	
P96		That Photoshop can do such a good job with power poles.	That house is still ugly and unimaginative.	
P97			powerlines	
P98	3	cute fence, hills	manufactured buildings, powerlines	i see what you did there...
P99	3	Same picture as earlier. Smaller road is better than the freeway. For some reason the power lines didn't show up before.	Still a barren site.	
P100	5	The same thing I liked about it before, it reminds me of being on the farm.		
P101	5	It looks very tranquil and relaxing.	It looks cold. And the parallel fences are a bit alarming.	
P102				

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P103	1	mountains in background	boring and power lines	
P104	4	Same as number two.	The additional of man made objects in the back ground and fore ground catches the eye.	
P105	4	Same as when I saw it above.	Same as when I saw it above.	
P106	2		Electricity lines and towers added.	
P107	5	as I said before - the clean lines	the asphalt	
P108	6			Power lines were added from previous secene.....
P109				Same as Scene 2
P110	3	Same as scene 2	The power lines are unattractive additions	
P111	4	Open space.	Power lines.	
P112	4	Same as scene two	The power poles	That explains the bare spots on the hills.
P113	4	Samre picture as Scene #2.		Distance from power lines seems to mitigate the visual blight they provide.
P114				
P115	3			
P116			The power lines look like they were placed there and the trees were clear cut.	
P117	5	pastoral landscape, responsible landowners., wooded hills	You snuck a power line corridor in here! It's fine, about the same as before except for the tree removal along the line and no shrubbery allowed to grow back in..	
P118	4	rolling hills, forested area, snow, rural area	i worry about these people living so close to the power lines- is it dangerous? powerlines are quite visible- it breaks up this great view for them	

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P119	4	The variety of landscape: barren deciduous trees and evergreen forest together; well-maintained ranch, seemingly respectful of the environment around it.	Visible power lines	The power lines make it look like there could be more development nearby. I wish power lines could be buried or some other way less intrusive, altho burying them will disrupt the natural environment at the onset.
P120	4	You know in the winter the power lines dont stand out much as the aspen and snow soften their impact aganist the forested hills.		
P121	5	trees, snow	too symetrical	
P122	4	Ref scene 2	Ref scene 2	See scene 2 remarks.
P123	5	The scene is developed but still exudes nature.	To bad the power lines could not be kept underground.	
P124	3	Mountains are still nice.	pylons are ugly	
P125	3	Snow looks clean and relatively untouched. Open spaces and larger views of the greater landscape.	Power lines.	The presence of the power lines makes me feel sad for the people who live here. I feel like they would have had great views of nature but the lines interrupt that image and now remind me of some rural and neglected location (someplace where people who don't live in the community came in and put in power lines and then left and didn't think twice about what those who lived there thought or felt about it).
P126	4	mountains	cell phone towers? road	
P127	3	It is a repeat of scene 2. I still like what I liked about it before:sky, clean snow, dark trees, mountains, and I like the fence too.	the barn and the electrical poles	
P128	4	Same as before - I like the mountains	Same as before, except now I've noticed the telephone lines and I don't like them either.	
P129	3	Snow, trees	Road, power lines	

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P130	3	The mountain line	The powerlines running along right at the base of the mountain	
P131	3		the massive wires on the foothills	
P132	4	The snow and open sky.	The powerlines although they are pretty discreet.	
P133	3			
P134	2	clean smooth look to the living area	wiring in the near background	
P135	3	Snow! Good contrast between green and white with a slash of brown.	wires in the background seem semi-hidden, but not well. Wires don't make pretty scenery.	
P136				Isn't this the same as Scene 2?
P137	4	parallel fence lines	no focal point	did you mean to repeat this one?
P138	4	Rural	Power lines.	Powerlines not very detracting.
P139	6	See comments above.		I don't find the added power lines to detract from the scene. The farm requires them for it to function.
P140	4	Love the mountains in the background and the beautiful snow. The aspens at the far end of the field are eye catching.	Dislike the addition of the power-lines;not super obvious but much nicer without them. It's pretty but a little boring. I don't think I'd say that if I saw some horses in these fields :) A bit too much structure in the forefront. If this road was lined with trees I think it would be beautiful!	
P141		I already evaluated this scene.	I already evaluated this scene.	
P142	6	Same scene as above?		
P143	3	mountains	power lines	
P144	3	airy, open, crisp	visual break in the center of the picture with the power lines that wasn't there previously.	Interesting how the power lines "ruin" the ethereal feel
P145	2	Blue sky. Fences.	Boring.	
P146	3		It still feels like plastic, or lifeless.	I don't think I noticed the hydro wires earlier...

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P147	2		Im starting to see a theme here. If you could some how make power lines look like trees or camoflaugue them it would be a plus.	
P148	2	See #2 above	See #2	
P149	3		point taken - the transformers take away a bit of the beauty	
P150	3	snow and forested hills	added power lines and fence	
P151	5	snow, fence, tree covered mountains	asphalt road, power lines in background	
P152	2	The area has a natural beauty.	The beauty of the area has been compromised by the addition of human structures. The power lines in the background only adds to the human invasion of this beautiful landscape.	There are better areas to provide human habitation and these areas should be protected by this activity.
P153	5	crisp and clean	wires in the background disturb the effect	
P154	4	Road is plowed and clear.	It is boring.	
P155		The same stuff I like when it was scene 2. ;-)		
P156	2			
P157	3	Hills, tress, snow	Road, powerlines, buildings, fence	
P158	1		why'd you put high tension wires in my utopia?	
P159	1			Oh no! Same scene I liked before, but now there are those ugly wires cluttering up my view, and the view from the farm house! Ack!
P160	5		Rerun	
P161	3	The peacefulness of the area	Who put the ugly power lines in the picture	Gp back to # 1
P162	3	Nice center	Power lines do not contribute to scene	
P163	4			Same picture as before
P164	4			The addition of the power lines detracts from the peaceful atmosphere.
P165	6			
P166		I think we saw this one before...		

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P167				This is the same scene as Scene 2
P168	4		the addition of power lines.	
P169	6	Already did this one.		
P170	4	Snow and trees, fences.	Power lines, house on right.	
P171	3	Looks like other scence we saw still like the green.	power lines and road is very flat.	
P172	5	this is the same as the second scene		
P173	4	beautiful but cold!	I don't like cold.	
P174	4	The forested hills, the neat quality of the homes which look well maintained, and the wonder of such a symmetrically cleared road. Nice, white snow.	Power lines are there, but from this angle not obtrusive.	
P175	6	Very similar to Scene 2!!		
P176	2	Great plowing.	In the first version, I could imagine living there. Now with what appear to be both high voltage transmission lines and, are those ski lifts?, not so much.	
P177				
P178				
P179	5	trees, snow	focus on the road	
P180	2	Isn't this the same, but with wires in the background? I feel the same about it.	Same as above.	
P181	2	snow and trees	power lines, clearcuts	These power lines aren't quite as intrusive as some of the others.
P182	3	The elements of nature, the curve in the road.	The electrical towers and cables in the backtground	
P183	4			
P184	4	See what I said for Scene 2.	Ditto.	This is the same as Scene 2.
P185	4			See #2
P186	3	Same as before, looks like a lovely place to live.	Powerlines!	
P187	2			I think this is the same as scene 2, but there are power lines in the distance. Not close enough to the 'viewer' to really change the scene though.

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P188	5			Seeing this scene with the towers definitely makes it feel less peaceful & isolated. It also looks more visually cluttered. Though I have to admit, it took me a couple seconds to see the difference between this picture & the picture in Scene 2.
P189	3	This is the same as scene 2, except with power lines. They blend in ok with the background, so if you have to have powerlines, they aren't too bad.	Same as scene 2.	
P190	4	This is the same as scene 2		
P191	3	The trees, hills and fence.	Now I have noticed the power towers and it detracts from the scene.	
P192	4			
P193	4			
P194	4		power lines	
P195	3	Road and fence lines move eye to right	hills to left overbearing	
P196	5	It's clean, open, it feels free. The fences and barn/shed make me think there might be horses nearby. It feels like a large private space where just a few families live.	Snow. I grew up with snow and I'm tired of dealing with it.	
P197	2	Same reasons as scene 2.	The power towers and wires.	
P198				
P199	2	The snow, the hills, the green trees.	The power lines.	
P200	4	"ruralness" land looks less "tampered with"		
P201	4	nice place to live in the country with mountains, etc	power lines in the background	
P202	3	Tree-covered hills, blue sky, and snow.	Houses, power lines.	
P203	4	Already did this one		

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P204	4			I'm guessing this is supposed to contrast to scene 2 above only with power lines-- they are not distracting and it looks the same as scene 2.
P205	4			
P206				this is the same as scene 2 isn't it?
P207	5	snow, homes	paved road, power lines in distance	
P208	6	Same things I liked about it in Scene 2, q.v.		
P209	6	Quiet. Fence and farmhouse is appealing. Trees.	I would expect to see some animals.	
P210	3	Trees	Snow	
P211	4	Same as what I did before.	I notice the powerlines going through. It's not terrible, following the treeline, but because it's a before/after picture they stand out.	
P212	4	Blue sky, long slope of the mountain, snow	Harsh contrast between natural scenery and the flat paved road. Long stretches of relatively new fencing which for some reason reminds me of conservative politics	Isn't this a repeat?
P213	4	Identical to scene 2.		
P214	3	Nice lines, and it is a clean scene.	I don't really like snow that much, also the building aren't that attractive to look at.	
P215	6	snow covered hills	power lines	looks the same as #2, but now the power lines are visible
P216	6	realistic picture - good perspective- contrast with two types of buildings		
P217	5	The clean lines (of snow), the scenery, the fences: parsimonious with the snow	the road	
P218		this is the same as scene 2 same comments hold. Why the duplicate?		
P219	3	hey, we've seen this photo already :)	see above	
P220		all ready saw this one		
P221	3			

Survey Participant	Rate Scene 8	LIKE about Scene 8?	DISLIKE about Scene 8?	Additional Comments on Scene 8
P222	5	snow!	towers are far enough, they really don't bother me. They almost fit in to this landscape with the factory like houses.	
P223	3	snow, brightness, same photo as #1,	dead trees, power lines, bald patches on hillsides	
P224	5	Feels wide open and isolated.	Power lines. But I still want the house.	
P225	1			
P226	4	Peaceful	kind of boring	saw this before
P227	3	power lines (that is what term I use) don't seem as disruptive visually, altho they are huge and very visable. reminds us we live in developed areas "we" have had something to do with requiring and giving up the possible unspoiled beauty of lovely snow covered hills	lines certainly don't improve the scene, but then fences don't either in my book	
P228	3	the green hills and crisp snow	the houses	
P229	4			just doesn't look like a natural path for the power lines, weird.
P230	3	Snow. I like snow.	Technology encroaching on nature. I see the power lines!	

SURVEY RESPONSES FOR SCENE 09

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P1	2	The flatness.	The power lines.	
P2	4	the classic composition, recessional space, lack of enclosure, poetic forms, civilization in the "wild"	the guide post on the left	
P3	3		boring and mundane. contrast of nature and steel power poles.	
P4		The wide open space. The curving lines of the road and merging power lines.	The scrub brush.	
P5	3	it feels like the wild west	it doesn't seem like I could access the space beyond the road.	
P6				
P7	4	wide open spaces.	Not much scenery.	
P8		It reminds me of a trip that I would like to take.		
P9	4	graslands, sky, road curves	power lines	
P10	5		This one is not too bad but power lines kinda suck	
P11		The wide open spaces.	The above ground power lines.	
P12	4	Pretty day outside.	Land looks wasted	
P13	6	If I were on this road, I would feel like I was not in the middle of nowhere, the transmission lines bring a connection to "civilization". Otherwise, I think of Dixie Chicks song, "Wide Open Spaces".	Nothing	
P14	4	Wide open spaces.	Power lines. Pavement.	
P15	5	The large expanses of undisturbed shrubland. The powerline is relatively small and unobtrusive.	The road and powerline cutting across the shrublands.	
P16	3	Open with cool desert plants	Road and power lines	
P17		The vista	powerlines	
P18	2		Road, power cords	
P19	4	I like the texture.	The power lines (They don't look like robots at all!)	
P20	3	grasses	powerlines	
P21	4	nice colors		
P22				

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P23	1	Nothing	Flat,no trees, ugly road	
P24	2	shrubbe-steppe landscape	asphalt and transmission lines	
P25	1	Nothing	Dry, lifeless landscape. Power lines are everywhere	
P26		Curved roads, even if it's not, atleast create a sense of flowing the contours, I like that	transmission lines	
P27	2	nothing	stark dry uninviting	
P28	2	love that wide open view, from horizon to horizon.	That powerline skirt the highway	
P29	3	natural shrubs	road, powerlines	
P30	3	Open sky, variety textures,curving road. The power structures at least make a vertical featurer.	Dry arid, flat landscape - minimal color. The power structures seem to go on forever. I wish they were set further from the road.	Power structures have little visual weight, blending in fairly well. all that would be needed would be some spots of greenery or color at ground level.
P31	4	I like the wide open view	Power lines done really bother me, though it would look better without it.	
P32	4	The sagebrush and blue sky	Transmission lines!	
P33	2	BORING	WIRES	
P34	2	not much	brown scrubby growth, reflectors on roadside, utilities	
P35	4	The wide open sky	The power lines, road, and color of the vegetation	
P36	1	Blue sky with a few wispy clouds.	Eastern Wa. drab shrubs, flat landscape, highway, power lines.	
P37	3		monotony, broken up with wires.	
P38	5	the rural setting, the plans, the openness	the powerlines	
P39	1	curve in the road	boring, desert, power lines	
P40	4	Openess	not too much visual interest	
P41	1	don't	all of it	
P42	4	the want for a raodtrip!!	too brown!! LOL!!	
P43	1	I love desert open land.	Looks like a strip of highway - looking down a road is not appealing, nor are the power lines.	
P44	3	open space, desert, curve in road	power lines, the road itself	
P45	6			

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P46	5	I like the curve effect of the road & landscape	the electric poles	
P47	3	Quie	Again, feels like the middle of a long trip.	
P48	4	As power lines go, these aren't too bad	Would be better w/o power lines, again I accept the road as a necessity as well as the power lines.	
P49		openness, rolling hills, patches of different colors, the orange-ish parts are more appealing than the gray/brown, the poles give a nice rhythm and help tell me where my road it going... bring my eye "down the road"	looks dry and a little sad... deserted, desolate	
P50	4	solitude, open road, western skies		
P51	4	cinematic quality of the west	powerlines are not so bad in this landscape- perhaps because there is a nostalgia and a rhythm that I associate with these kind of lines	
P52	3	nice flat landscape where you can see really far. I like the colors and uniqueness of the plants. Transmission poles can serve for nesting or preying for raptors; road is only 2-lane promoting slower and less traffic. Transmission lines are along an already-established and disturbed corridor and not through a natural area with nothing else on it disturbed.	Looks a little dead (droughty), and there is significant infrastructure with the entire photo dominated by the road. Transmission lines cut across the photo and the landscape.	
P53	3	I like the blue sky.	I don't like all the brown.	
P54	4	THis looks like a Pixar movie.	The one steel rod bent over in the middle.	
P55				
P56	3			
P57	3	The large sky	the boring telephone poles that repeat and feel never ending. You are out in the middle of nowhere, but still humans have made their mark.	

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P58	1	The blue sky.	Power lines, dead grass.	
P59	3	Wide open space, blue sky.	Too much brown.	
P60	4	color of sky with land, winding road, sage brush	powerlines	
P61	4	Wide high-desert vista with curved road. Feels a little like home to me.	Emphasis on the road, not the nature.	
P62	5	going somewhere awesome. Deserts are exciting! the wild west! the wide open road!	nothing	
P63	4	The sense of expansive adventure	The road and the powerlines.	
P64	1	Nothing really.	It's barren and open and all you notice are the power lines and road markers and the road.	I guess in the spring it would be pretty, but the power lines would detract from that. In some of the other landscapes the power lines are kind of hidden, but here they are the main thing you look at.
P65	5	Open road, desert and blue sky. Simple scene but still appealing.	Power poles	
P66	4	I think I used to live off this road! Or at least one very much like it. Open spaces, big sky. No rush to get anywhere.	telephone wires/powerlines cut through the picture.	Looks like Eastern Washington. :D
P67	2	The open sky is most pleasurable in this scene.	In general lower, less differentiated landscapes are less appealing to me than Pacific Northwest mixed temperate forests. The utility lines and the reflective markers at left detract from this scene. (Also, the picture seems to be taken from the wrong side of the road--slightly disorientating).	
P68	3	Beautiful wild land.	Power lines and towers crossing the road.	
P69	4	Open dry rural setting. Blue sky.	Nothing really sticks out. The power lines don't really bother me in this photo.	

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P70	2	Minimally developed, natural scrub grasses.	Telephone lines, road.	I just don't like desert landscapes. I'd probably like it more if there were trees.
P71	2	blue, open sky	harsh, pavement and powerlines ... seems barren. Terrain looks grazed, not in its true natural state	
P72	4	There is a feeling of openness and calm. It is fairly easy to ignore the power lines and allow the scene to draw you in.		
P73	5	Drainage provided at roadside. Power indicates there may be a town/rest stop ahead. Native vegetation in place. Good visibility of who is coming on the road. Evidence of grazing/ag.	Shoulder should be a little wider.	
P74	4	Open sky, well maintained highway.	The powerlines are worrisome. We need a non-cancerous energy transmitting system.	
P75	3	some native looking habitat remaining in patches	patchy and disconnect of habitats due to road, cleared fields, power lines	
P76	2	Not much.	It looks really really dry and hot.	
P77	2	not much	looks like hell in the desert--a place to speed up to get through	
P78	4	the road has a sense of mystery or adventure the texture are very rich		
P79	4	Sun, sagebrush	road, powerlines	
P80	4	curve of the road	power poles	
P81	5			
P82	5			
P83	5			
P84	4	It makes me think of going to vantage to crag climb. Plus sun!		You like powerlines???
P85	3			
P86	4	Something hard to define. It reminds me of our many trips across the Great Plains, and the vast landscapes.	Power lines.	

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P87	5	here the power lines and road fit the bleak landscape.	the red metal stake	
P88	3	curved road	power lines, dryness, exposure, homogeny	
P89	2	The curve of the road	the powerlines	
P90	3	Think I have driven through here.... or somewhere just like it..... think Nevada. Pretty in a strange way	If there were no power lines and the road was gravel it would be great.	
P91	5	Desert		
P92	4	Looks like Nevada which can be lovely in the right season and at the right time of day and in interesting light.	Nicer without the ubiquitous power lines. Makes me wonder where they go and are they that necessary...	Why are there different styles of poles?
P93	1	nothing	read, dead grass	
P94	5	Desert colors, lonely road.		The power lines in this scene seem the norm, out in the middle of nowhere, you just drive right past them because you watching the road.
P95	3	Once again the nature which is in the pic.	Power lines and supporting devices.	
P96	6	It reminds me of driving to Spokane towards Grand Coulee to coach a volleyball tournament	The second carsonite road edge marker is awry. SOmeone should fix it. it reminds me of taxes.	
P97	3	ground cover	powerlines	
P98	4	open road, looks like going on an adventure	would get sick of looking at this for very long	
P99	2	Not much.	Scene is grey like the road.	
P100	4	The emptiness.	I prefer trees to the desert.	
P101	1	Nothing.	It looks arid and desolate. It makes me want to turn around and go the other way or drive through faster (so as to get out of there)!	
P102	4	scrub shrub lands	most likely grazing land	a lot of these seem to have similar issues for me, I would like to see a city scape to be able to compare to unless I'm looking for the wrong things?

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P103	4	blue skies go on forever, interesting colors and contrast between plants and hills	roadway, power lines	
P104	4	Nice panorama	Again a side of the road photo. If your taking photos of nature you have to be aware of man made objects. This would make a good commerical photo.	
P105	4	The sand dunes in the background, and the tan color against the blue sky.	The road and the electrical poles.	
P106	3			It's ok for a pictorial entitled "electricity across our land"
P107	3	the desert plants and the brown grass in the distance	highway is ugly	
P108	6			Get over power lines
P109	4	Feeling of remoteness. The only power lines follow the two-lane road.		
P110	4	Clean and simple landscape, familiar and signifying a trip	Well, it's a road, and telephone poles aren't that pretty. They're less imposing than power lines, though--more classically old west (from my youth)	
P111	3	Open space.	Power lines, disturbed landscape.	
P112	5	the vastness and the colors	Again with the power poles.	Too bad the poles can't be disguised
P113	3		All power/communications lines should be buried!!!!	
P114	2	any open land is more pleasant to the eye than human urban congestion. I have driven these roads for days and they don't bother me.	this is very dry land hardly good for grazing, no shade or cover	
P115			Barren	
P116	6			
P117	4	Beautiful landscape	powerlines are an obvious distraction.	

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P118	5	desert area, natural. I kind of like the power lines and the highway here- power lines add verticality and would be helpful if you were driving to give you something to focus on. The highway is well taken care of and doesn't seem to interrupt the desert too much	part of me thinks the highway and the powerlines shouldnt be there, and it would be better for wildlife if it was all natural	
P119	3	Openness; lack of development; colors; well-maintained and constructed road.	Visible power lines altho they are simple and not obtrusive.	
P120	3	subtle hills	not a fan of the power lines right along the road as they interrupt the horizon.	
P121	1	nothing	barren landscape-not much contrast	
P122	3	Good looking road.	Pretty bland. Probably harsh winter and wind	Power poles do not dominate, but a bunch of wind turbines sure would!
P123	5	The natural beauty of the high desert.	The roadway is the price of accessibility. To bad the power lines could not have been kept underground.	
P124	3	wide-open space	there's nothing really interesting	The posts and wires in this one are not as nasty-looking as the big pylons in some of the other pictures
P125	2	It's a clear day.	Looks like some highway in the desert. If I was driving on this highway, I would get really sleepy as there is nothing in the landscape to peek my interest.	
P126		steppe	cell phone towers road	
P127	4	I like the rust color of the grasses and the sense of space, and blue sky	It's not so much that i dislike it, it's just kind of ordinary	
P128	5	See, now there's a decent use of telephone lines. They make a cute pattern, and they outline the scenery without dominating it. I even like how the road curves unexpectedly, like it's bowing to the horizon.	That weird pole in the lower left hand corner.	
P129	3	grasses	Road, power lines	

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P130	4	Very natural & mostly undisturbed	Could use some color	
P131	5	desert		
P132	6	Looks like home on the plains of Colorado. I like this desert landscape. I like the different colors and the big sky.	Powerlines.	
P133	1			
P134		the blackness of the road gives a smooth curve to the picture	electric poles take away from the picture	
P135	5	Feels like a road trip. Post in the foreground makes for an interesting detail.	Road trips are somewhat boring, even if they imply adventure	
P136	2	blue sky	telephone poles, flat brown landscape, highway	
P137	1	blue sky	road, power lines, dry/dead foliage	
P138	5	Great outdoors.	Road, power lines.	If I was driving here, this would be a very pleasant scene.
P139	6	I like the curve in the road and the straightness of the power lines and how both fade into the horizon. It gives you a sense of the vastness of the area. There probably isn't civilization anywhere near there, yet there is a road and power going between civilizations.		
P140	5	Road trip! I like the rolling hills with the possibility of seeing something cool on the horizon. I like that the electric wires are not as obvious in this scene as they can be in others.	The wires and the idea that this landscape would get boring/repetitive after a few hours driving time :)	
P141	4	Reminds me of a section of the trip from Denver to Moab and Moab conjures up good memories for me.	Flat landscape. No mountains or deserts buttes.	
P142	1	Nothing	Desolate, brown, barren, poles.	
P143	3			
P144	1	not much	unsure why someone would take the picture	power lines seem out of place
P145	4	Blue sky. Receding telephone poles.	Flatness of the landscape.	

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P146	5	I like the landscape/terrain--it feels warm.		
P147	2			
P148	4	Open space, plains, the weather suggests warmth. Power lines are smaller here, which I also like	Power lines still present	
P149	5	open landscape. curved road has personality. rhythm of transformers.		
P150	5	road pulls you along and other that immediately adjacent to the road nature looks pretty unspoiled and has that big sky effect as it appears to go on and on	think I'm not suppose to like the power lines but they don't bother me..... of course would be better underground!	
P151	5	blue sky	road, power lines, dry grasses	
P152	1	Again, I welcome blue sky and sunshine.	The road and powerline structures are intrusive and prominent. They form a barrier to the eyes preventing appreciation of the landscape (which is rather dismal itself at the moment).	
P153	4	the blue sky the curve in the road	dry land	
P154	1	Nothing.	It is boring.	
P155	6	Stark contrast of land and sky, almost a straight line. Swooping, wide curve in the road really pulls the eye into the distance. Curiosity abounds. Makes me feel like I'm headed somewhere exciting.		
P156	2			
P157	5	Seems like you're going somewhere fun	Power lines, but they don't bother me here as much as the other photos	
P158	1	blue sky	its flat and wiry	
P159	4			these phone/electric wires aren't as intrusive as some in the previous photos where there are huge, monster-legged towers in the scene
P160	3	Highway	Not much to look at	
P161	3	Remote solitude	The ugly powerlines	Little to no littering

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P162	3	Vegetation	Not about anything	
P163	3			One lande road in the middle of nowhere
P164	5			
P165	6			
P166	5	Sagebrush country - nice! Open and rugged...	Farming should never take place in sagebrush country - it is way too dry, so any farming needs to be irrigated.	
P167	6	The sky, how far you can see. The brown is warm here.	I could do without the power lines but they aren't bad.	
P168	3			it's just boring.
P169	6	Hot, and dry and wide open! A great contrast to Seattle. I would like to bike it. The shoulder is in good shape.		
P170	4	Color palette.	Power lines, pole next to road.	
P171	3	like the vegetation. and curve of road	road post and power lines not soo nice	
P172	2	the proportion of sky to ground	it's boring	
P173	5	This photo reminds me of going home.		
P174	3	Reminds me of cross country trips through the desert or trips to the mountains. Sense of "Car Trip!"	Nothing to particularly like or dislike.	
P175	4		Nice, but I tend to prefer scenes where the background is more "lush".	
P176		Great sweep of roadway. I do love driving curvy roads	The sweeping openness of the scene is broken by the power poles; chunking down something naturally fluid.	
P177				
P178				
P179	6	very restful, nice combination of nature and civilization (road, electrical lines)		
P180	4	Big sky	The highway.	
P181				
P182	5	I like to wide open spaces and the curve in the road. The fact that there are no people or man-made structures except the road and the telephone poles/wires.		

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P183	5			
P184	4	The curving road gives it more interest.		
P185	4	Seems like an isolated, quiet place.	Lots of pavement, dry arid place.	
P186	3	Sagebrush. Sunshine.	Road and power infrastructure.	
P187	2	Not much.	This is a really boring place.	
P188	5	I get the feeling of freedom from looking at the road winding off into the distance with nothing surrounding it.		
P189	4	Open space.	neutral	
P190	2	Desert is cool looking	Power lines and road	
P191	2	You can see quite a long way (where you are going).	The poles and lines and just more highway to look at. Not much else.	It's too empty.
P192	3			
P193	5	Good composition, nice curves, vistas.		
P194	3			
P195	5	flat land, wires follow right curve	?	
P196	3	I like that it's open and there's a sense of large space.	Too dry & brown. The power lines stick out like a sore thumb, although there's something kind of "classic Americana" about that, like how a broken-down old rusted out gas station run by someone without all their teeth is kind of classic if shot by the right filmmaker.	
P197	2	the contrast of the dirt and shrubbery.	The road looks like it had been recently re-paved, possibly wider than the earlier version. Why is so much space needed for the shoulder section in a remote location like this.	Telephone poles don't look out of place in this picture.
P198				
P199	2	the desert and flatness.	The black road and the power lines.	
P200	1		everything	
P201	3	wilderness	brown and powerlines	
P202	4	Desert landscape.	Phone poles.	
P203	5	It is open and you can see really far, I like how the powerlines curve with the road		
P204	4			

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P205	3			
P206	4	curve		
P207	3		nothing to really see besides the curving road the power lines and the dry grass	
P208	4	What's around that graceful curve? High desert has some mystery about it. The simple phone poles suggest that somewhere, civilisation can be found.	Very thirsty-making.	
P209	2	Quiet. Out in the middle of the desert.	No trees, no water. Very dry looking	
P210	4	Endless horizon	dry, road	
P211	3	Feels open, like the desert landscape.	Not much to look at besides those powerlines.	
P212	5	Long curve of the two-lane road and the way the power poles continue to trace that arc, stark desert against blue sky	Feels pretty desolate	
P213	5	Although there is still a large road and powerlines, they dont' feel like they dominate the landscape. It feels like a small road in an expansive, undeveloped scene. It looks like wildlife could cross this road much easier than in scene 7, for example. I like the desert vegetation. Big sky.	The powerlines. The road isn't gorgeous but I don't think it detracts too much.	
P214	3	The colors of the plants and the earth.	The crooked roadside markers.	
P215	4	desert landscape	dry looking	
P216	3	Interesting with the curve	too bare - nothing pretty to look at - needs more color	
P217	3	the sweeping vista	not a fan of desert scenes, the road	
P218	5	curving road is more inviting, lends sense of movement to image. like colors of sage vs blue	still not a fan of big paved swaths as a focal point	
P219	6	this landscape scene reminds me of a car trip i took across the southwest	nothing	
P220	4	wide open	really brown	
P221	4			

Survey Participant	Rate Scene 9	LIKE about Scene 9?	DISLIKE about Scene 9?	Additional Comments on Scene 9
P222	5	road trip!	not much. I like how cable lines are prallel to the asphalt road.	
P223	2	It's bright and partially sunny, large expanse feel, nice subtle color and textures	not a fan of roads, power lines, road markers	
P224	5	Lots of open space. Hiking looks pretty easy.	Power lines and highway.	
P225	4			
P226	4	curve in the road and blue sky	poles of course, but they aren't too bad here	
P227	5	I marked "like" because this scene doesn't look like where I live. perhaps one could stay alert while driving by counting the poles. at least no billboards	dry and desolate to me, so I guess I don't mind the "lines" as much.	
P228	2			
P229	5	big open sky and non chewed up looking land		
P230	5	Reminds me of trips I used to take from so CA to Laughlin or Las Vegas.		

SURVEY RESPONSES FOR SCENE 10

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P1	3	The hill side and trees.	The power lines.	
P2	3	farm house, recessional space, atmospherics, the sky	boring foreground road, horrible hatchet job on the hills, apparent lack of composition in taking the picture	
P3	4			Still like it, despite the change of persepective and the addition of the road and power poles. The asphalt looks to be in good condition.
P4	5	The trees. The rural setting.	The road.	
P5		it feels like a genearic, side of the road, forgotten place. [ps:good photoshopping!]		
P6				
P7	5	Open space with a farm nestled at the foot of some hills.	The road seems to invade the senerity.	
P8	6	Beautiful country		
P9	3	sky- clouds, grass, pasture, fences	road, logged areas	same image as above, just farther back
P10	4		I didnt know power lines were so distracting	
P11	3	It looks very peaceful.	The above ground power lines.	
P12		Field is growing up , good for wildlife. Timber harvested on mountain, hopefully they will regenerate it.	Fence needs to be cleaned out and repaired.	
P13	4	Cute barn!	There are bald spots on the hills.	
P14	3	Mountain ridge with the cloud clinging to it. Farmland contrasted with the mountains.	Power lines, tree in the foreground.	
P15	3	The rural landscape, the large tracts of relatively undisturbed forest and hills.	Large, tall powerline towers, wires crossing the view.	
P16	3	open, hillsides are nice. The field looks rich and green	Road, power lines, farm houses	
P17	2	the fields	The road and hills	
P18	2		road, not big into country scenes	
P19	4	The lonely tree and the old barn	power lines	
P20	2	grasses and hills	powerlines barbed wire fence	same spot as scene 4 just different angle

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P21	4	different perspective from one of the above photos		
P22				
P23	4	Already saw this picture without lines, still nice scene, get rid of lines	Powerlines	
P24	2	greenery	cutblocks, asphalt, and transmission lines	
P25	3	Nice old barn, pretty color contrasts	Fires on the mountain, looks like trees were removed on the far mountain to accomodate power lines	
P26	3	Barn has mature trees around it	tranmission lines stick out, striaght road etc.	
P27	3	hills and farm	road n dry brush area	
P28	2	nice view of the surrounding valley	Floodplain!	
P29	2	trees, field	road, powerlines, clearcuts	
P30	2	Greenery,mountains, homey farms	Prominent power lines, lack of attractive planting along side of the road.	
P31	4	I loke the barn and hills	Power lines, again, don't bother me particularly but they do detract from the image.	
P32	1	The farm and green pasture with hills behind it.	The horizontal lines of the highway markings, rumble strips, and power lines are distracting to the depth that this scene otherwise provides.	
P33	2	SEEN IT BEFORE FROM A DIFFERENT VIEW	DEAD VEGITATION	
P34	4	farmland, barn, mountains	fence line, utility lines, utility box on roadside	
P35	5	The mist, the trees, the change in elevation, and the expansiveness of the view	The fence and road	
P36	4	The farm buildings, green mowed field and contrasting brown textured field, the same lone birch tree as scene four.	The power lines and road you photoshopped out of scene four.	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P37	4	At least there's something to look at besides the wires!		
P38	2	the barn, the green fields, the trees	the powerlines, the logged areas, the blackberries	
P39	4	hillside, distant farm, green meadow	similar to scene 2, too much highway	
P40	3	Trees and green grass	looks a little ominous	
P41	5	setting	power lines	
P42	2	it's ok	nothing really caught my eye	
P43	2	Very open.	The road and power lines are not attractive.	
P44	4	trees and mountains	road and powerlines	
P45	6			
P46	5	the clouds & mountains	the fence and the road as well as the electric lines at the top in the cloud section	
P47	5	Seems like a small quaint town is around the corner.	Nothing to dislike	
P48	2		Got worse with the addition of the power lines	
P49	2	same as before... the bright green pasture in the foreground with the cute barn is appealing, too. i like weathered wood barns	same as before	the added power lines dont bother me that much because that area already looked sort of disturbed. the clearcuts are far more bothersome, visually
P50	4	reminds me of home in upstate NY		
P51	4	same as before and I like the old barn in the distance	like it less with the lines- they blend okay but break up the layered effect created by the masses of vegetation. also the lines call attention to disturbance in the landscape - i.e. the erosion resulting from clearcut	
P52	2	not much - a little nostalgia for the farmhouse	Clear cuts visible, unrestored cultivated land in the foreground, roads, transmission lines. Just generally appears to be very poorly maintained land and seriously disturbed.	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P53	4	I like the green grass.	I odn't like the browns and the road.	
P54	5	Again, reminds me of the Oly Peninsula.	Nada mucho.	
P55				
P56	5			
P57	3	I like the farms, or at least the idea that farming is happening still.	The wires interrupt the pleasing view towards the mountain. If the road is so close by, why mess with the landscape by putting towers off the road?	
P58	4	Hills, trees, meadows, variation in colors and texture of the plants/trees.	Powerlines.	
P59	4			
P60	4	barn, misty clouds, hills	powerlines	
P61	4	More emphasis on the natural features and mountains, with old barn in the background. Less emphasis on the ripped up barbed wire and dead-looking tree.	Emphasis on the road. Visibility of the power box.	
P62	2	mountains, clouds	road, clearcut hillsides (erosion aaaaaaaaaaaaaaaaaah)	
P63	4	The farm house is a nice touch.	Ah, booo, the cool pastoral scene from earlier with a road in it now.	
P64	5	The view, the barn, and the open pasture land. The rural character of the site.	The power lines in the foreground are not that bad, but the ones in the background detract from the vista.	
P65	4	Hills and green in distance pretty. Looks like a typical roadside WA/OR view.	Crappy fence and power lines	
P66	4	Farmland feels very comfortable to me.	I can see the scar across the land from the powerlines.	I recognise the scene from the earlier photo. I hope the blackberries don't take over the fields.
P67	4	The pasture land here speak to a simpler life and the hillside (at least to the right) suggests connectivity with nature.	The un-mitigated forested land at top left and top center are most troubling.	This scene appears to be an un-cropped version of an earlier photo.
P68	4	Variety of vegetation.	That tree in the forground still looks scrawny and lonely.	The power lines are not so bed at that distance from the road.

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P69	3	farm in the background...green pasture.	funky fence and blackberries in foreground. Power lines running at base of hill.	
P70	4	Trees and fog, minimally developed.	The powerlines detract from the landscape and break up the perspective. Also not a fan of the litter on the side of the road. I just now saw the ski lift, but it isn't as bad from this perspective.	
P71		clouds, barn, colors	noticing that power lines and road and clear cuts sorta meld together. In some sense they don't have a cumulative effect.	
P72	3	The pastoral feel. The idea that there are still wild things to be discovered along the edges of habitation.		Slightly different angle of earlier photo.
P73	6	Barn! Alfalfa field! Varied canopy surrounding wide easement around power lines. Same as above. Good rumble strips at road centerline.	Stupid blackberries. And fix that fence!	Neat different view of same location from above.
P74	4	Beautiful farm, trees, hills.	Powerlines too close to farm. Fear electric-magnetic cancer causing problems.	
P75	2	hillslopes have some native vegetation on them, some fencerows/creek sides in valley bottom have wild-ish vegetation	mosaic of disturbed & disconnected habitats due to road/agriculture/power lines	
P76	4	Some tree cover and the quaint barn structures.	The multitude of wires and the fence at front that is in disrepair. The bald tops of the hills.	
P77	3	very pretty place	too bad about the fencing and power lines	
P78	3	the area is very green		
P79	3	Hills, green, farm	human impact, powerlines/logging	
P80	5	contrasting colors, especially the green ground cover	nothing	
P81	4			

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P82	5			
P83	4			
P84	2			Boring...Same as scene 4 but with power lines.
P85	5			
P86	3	The mountains, the old farm.	The road. For cripes sake, take ten steps forward and get the road out of the photo.	
P87	3	the hills in the background	the yellow markings on the road.	
P88	4	barn, scenery	road	
P89	3	the hills and bright green field	Powerlines.	
P90	2	Same as before	The road spoils it.	
P91	6	Same picture different angle still like		
P92	4	Still lovely landscape. Same fence issues.	power lines are present, but back from road.	
P93	3	green hillside	road dead grass	this would be much better as a close up on the hillside
P94	4	The farm land adds character to the scene.	The addition of the towers and lines in the background is noticeable but not horrible, though it looks like the land at the base of the towers above the farmhouse was really disturbed in order to install the structures.	
P95	2	Same as the first time I saw this pic.	In addition to what I already said, the power lines and supporting structures.	
P96	6	The green grass contrasts nicely with the yellow of the road striping.	I hate rumble strips. They startle me when they wake me up.	
P97	4	farmhouse, trees	powerlines	
P98	5	farm buildings with character! hills, trees, cool old fence	utility box	dont really care about powerlines here. they are far enough away, surrounded by trees, and moving in a logical, fluid direction
P99	4	Same scene again. Better than the previous site. The power lines are concealed by the vegetation.	Ratty fence.	
P100		The hills and the fog.	Nothing, it's a fine photo.	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P101	4	The view of this same scene above is more claiming to me than above because I can see the rest of the area. There is a clear path to and from this area!	The barn looks a little bit creepy.	
P102	4	mountains	farmland	trying something different
P103	3	old barn in foreground	power lines, roadway	
P104	5	A better view. Farm building would make a good subject. it caught my eye immediatly.	Again a side of the road photo. more man made objects in fore ground and back ground.	
P105	4	The hills and their green colors.	The roadway.	
P106	2			Again, electric lines and towers added
P107	3	the variety of plans	the highway and the fence	
P108	6			
P109	3	Feeling of relatively undeveloped rural area. The old barn.	Big power lines going through the valley, clearcut areas on the hills.	
P110	3	Same as last one in this area	powerlines, more road in the picture	
P111	4	Open space.	Power lines and disturbed landscape.	
P112	3	The appearance of the farm tucked against the hills	The power lines	Same as scene 4, different camera angle. I'm sorry, no way to make those power lines unobtrusive
P113	3			Same scene (different angle) as Scene #4; same comments.
P114	3	this would be a nice setting for that farm/ranch, plenty of land for cultivation, nice old barn and decent access road	clear cut old forest and yes more power lines with a channel cut out of the hills for them	
P115				
P116			Too many layers of power lines.	
P117	4	pastoral landscape w/veg along the creek (or field border).		
P118	3	rolling hills	the whole scenery looks manufactured. rusty fence, highway, mowed lawns, even the hills look like they've been disturbed. can't imagine living that close to powerlines and a highway.	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P119	3	Colors; fog on the ridge; open nature; development on flats, not on mountain; fence isn't obtrusive, blends in.	Visible power lines; the road takes away from the rural scene altho it is a rural road engineered for safety and doesn't appear very wide, which I appreciate out there.	
P120	3	Powerlines blend in in the distance and the natural veg left among the cultivated valley.	clearcuts and overhead transmission lines	
P121	6	pastpral scenery	nothing	
P122	4	Same comment as scene 4	See scene 4	Looks a lot like scene 4. Same comments apply. Power lines visible but not overwhelming
P123	4	Beautiful country.	A shame about the power lines.	I'm picking up a theme here.
P124	3	It looks nicer at this distance than scene 4 did	The same things as scene 4 plus the pylons	
P125	5	The diversity in plant life, colors and textures. Looks like a farming landscape (with the barn on the left side).	Nothing. I only ranked it a 5 because this picture doesn't make me fall in love with the landscape (i think it's a fine picture and i like what I'm looking at but I don't have as strong of a reaction to it as say picture #1)	
P126			electric lines	
P127	3	the golden grass and the green field, the clump of dark green trees in the middle of the hill	bald spots on the mountain, and the post with orange sticker in the fore ground, the road and power poles	
P128	2	The mountains, the barn on the left	The road is really ugly	
P129	3	Meadow, hills, trees	Road, power lines	
P130	3	Rustic, open	The powerlines running right thru the land	
P131	4			
P132	5	The shades of green. This is a familiar landscape.		
P133	2			
P134	4	the barn and the green area	wiring	
P135	4	Mysterious, looks like a town where an adventure could be had.	Blurriness.	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P136	4	interesting sky, green vegetated hills	electrical or telephone lines in sky, highway	
P137	3			
P138	5	Rural.	Road. Clear cuts.	Power lines minor.
P139	6	I still love farms in fertile valleys. I like how the power lines cut alongside the hill in the background.	It may be a stretch, but I do hope the power lines and road runoff don't negatively affect any of the crops that may be farmed (if they are crops for consumption)	
P140	5	I like the little farm tucked in behind the trees, the nice rolling fields, and the tree-covered hills in back with a hint of spring.	Still dislike the electric box but it's not quite as noticeable in this scene as the last. Still dislike the clear-cut/disease looking areas on the hills. The electric wires kinda suck but they're not as obvious as some other scenes	
P141	3	Same things as I wrote in the earlier scene.	Now it has a road. I'd rather just look at land than land and a road.	
P142	2	The green and the mountains	Boring, uninspiring.	
P143				
P144	5	the green-ness of the grass /tress in contrast with a bit of fog	the visual clutter of the barbed wire fencing	
P145	2	clouds on the mountain	Road and area near it.	
P146	4	I like the barn.		I feel like I don't understand the land--I mean, I can't say I understand the land in the other pictures, but I feel like there must be a reason it looks the way it does and I'm not sure what it is--how much of the land is cultivated and how much is just allowed to grow that way.
P147	3		All you can focus on is the power lines.	
P148	4	See #4	Road is too prominent. Power lines are now noticeable	
P149	5	the farm house makes the clear cutting less bothersome.	clear cutting.	
P150	4	very pretty country, always like old structures even as remanants to past	a bit too many power lines zig zagging around the picture	
P151	4	mountains	road, power lines in background	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P152	2	The scene has its natural beauty and is interesting in how it shows different land patches of use and vegetation.	The fencelines and powerlines chop up the scene into smaller disjointed pieces. It is hard to appreciate the beauty looking through this filter of human wires and structures.	
P153	4	the purple in the mtns	that dead tree	
P154	6	It is pastoral	.Boring road.	
P155	4	Same spot as scene 4 no? I think the barn adds interest, so does the contrast between green grass and brown scrub. Doesn't make me so uneasy. Less clearcutting evident, and the sun starting to break in the distance is nice.	Still feels kind of blah to me. I think I just don't care for the light here.	
P156	2			
P157	5	Hilly but not too steep like the first picture, seems like a place I'd want to live	power lines	
P158	3	I like farm houses	ugly wires, same dumb electrical box	as ugly as the wires are, I know they are required for communication and contact, not to mention business
P159	3			
P160	3		This looks familiar	
P161	2	It's ok not the best	The power lines	
P162	4	Nice hillside	Haze, power lines	
P163	3		Don't like road pictured in same picture that was previously shown.	
P164	4			
P165	1		there's that ugly tree again	
P166	5	I love the small farm and it's fields nestled in the valley.	I really object to the whole thing being cut up by highways and power lines.	
P167	4	The hills.	The power lines, the clouds - they seem to close everything in	
P168	3	the old farm house and barn	power lines	
P169	6	Similar to the other scene.		
P170	5	Beautiful greens, clouds.	Not too much, the power lines aren't so obtrusive here.	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P171	4	nice green field and gentle hills.	power lines	
P172	2	the green grass	boring	
P173	5			
P174	3	Nice that they have a warning that you are crossing the yellow line on a two-lane road.	Looks like a tilting power line--or maybe that's just a tree--line doesn't seem to go anywhere? Seems casual. Wondering where the water comes from to irrigate that field and why the fence is so neglected.	
P175	5	Closer to what I like!		
P176	4	More hopeful than the earlier version -- less hopeless, despite Man's bigger footprint -- road, farmstead and power lines.	Man's bigger footprint.	
P177				
P178				
P179		trees, bright green grass	much of the scene is in dull colors	
P180	4	Reminds me of Ireland. The Cork road.	Not much.	
P181	1	the "wake up" ridges near the centerline of the road	clearcuts!	at least the power lines are a bit more obscure
P182	3	Mountains, trees, sky, the farm house in the distance.	It appears the some areas of the mountains have been clear cut	
P183	4			
P184	3	The contrasting colors of vegetation.	Too much road in picture.	
P185	2		Blurry, washed out	Isn't this nearly the same shot as scene 4?
P186	3	Looks like a lovely farming valley.	Powerlines! Road infrastructure.	
P187	3	This seems similar to another scene, but I like the inclusion of the farm. I can see power lines there but they don't seem to be visually prominent.	Still just seems like a place you'd pass by.	
P188	4			This scene doesn't elicit any strong reactions.
P189	5	Looks inviting. Hills, trees, natural growth and farmland.	The center of the photo- the breaking down fence area.	
P190	5	Rolling hills, green, trees	Dead stuff right on the side of the road, power-lines	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P191	4	The hills and green trees are nice.	The power lines are still obtrusive and it all looks lonely to me.	
P192	5			
P193	3		The road	
P194	2			
P195				
P196	3	It looks peaceful because it's sparsely populated and the fog is nice.	It looks like an impoverished area because of the dry vegetation and the power lines.	
P197	2	n/a	Tje area looks unappealing, especially with all the power wires and the paved road in front.	It looks like this should be a farming area because of the barn to the left of the scene, but it doesn't really look like anything's growing there or farm animals being raised.
P198				
P199	4	the green pasture, the hills, the trees.	The wires.	
P200	2	hills, some green	everything else	
P201	4	mountains	power lines but less noticeable	
P202	4	Cloud-covered hill, rural scenery.	Phone lines.	
P203	4		barbed wire fence is in tangles...	
P204	2			
P205	3			
P206	3		not interestinig	
P207	5	contrasts, colors, landscape in general	roadway and powerlines	
P208	4	The appearance of the farm off to the right certainly enhances the view, as does the green field.	As in Scene 4, q.v.	
P209	4	Clouds,trees.	Dry looking.	
P210	3	Green	Road, dry	
P211	5	Colors, mountains, I like that barn to the left.	I do notice the powerlines but they're not terrrrible.	
P212	5	Feels peaceful. Houses are in the distance. There is little fencing.	I know the road is just two lanes but it takes up a disproportionate amount of the visual space in the photo.	
P213	4	This is just a zoomed-out image of scene 4. The barn is nice.	Same as scene 4, except with more road, which I don't like so much.	

Survey Participant	Rate Scene 10	LIKE about Scene 10?	DISLIKE about Scene 10?	Additional Comments on Scene 10
P214		old barn and fence, great contrast in green grass and yellow grass.	road.	looks familiar
P215	4	green pasture, barn	looks like spot logging on the hills	
P216	5	different colors - good contrasts. the bare tree is set back and off to the side so not as offensive as in previous picture		
P217	3	the farm house, the natural land	the fence, the road, the powerlines	
P218	3	everything but the road	road	
P219	3	barn	not much going on	
P220	5	scenic, rural		
P221	4			
P222	3	rushness of landcape. smooth rolling hills.	I think lines shouldn't cross the middle of the flat ground. either near the road or along the foothills.	
P223	3	nice color and textures, farmland	road seems to be the predominant feature, power lines, clearcut hillsides	
P224	4	Lots of variety.	Barb wire, highway, and power lines.	
P225	2			
P226	1	nothing except you don't see the poles very much	boring and ugly landscape	same scene as before from slightly different angle
P227	2	some of the bigger lines are more off the road	the bigger lines surely do gouge across the scene but the overhead ones are in most passersby eyesight	please don't pass along these 10:00pm typings to any English majors
P228	2			
P229	4		clearcut scars	
P230	5	The road is still one lane each direction. It seems to be spring.		

SURVEY RESPONSES FOR SCENE 11

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P1	3	The trees.	The power lines.	These lines weren't as bad as the other ones in the similar picture.
P2	2	see above on original scene	see above on original scene plus the in-authenticity of the poles and their height	
P3	4			not terrible, but I prefer the older power pole designs, they remind me of years gone by.
P4	4	The trees.	The flat ground in the foreground.	
P5	3			
P6				
P7	3	?	Powerlines seem to divide the trees from the meadow.	
P8				
P9	3	pasture, trees, sky	powerlines	unhealthy forest edge
P10	5	Smaller poles are less of a distraction	Power lines	
P11	4	The variety of trees.	The above ground telephone poles.	
P12	5	Nice photo	Quiet setting, seems like some kind of wildlife would be out.	
P13	5	I am intrigued by the woodland and birch? trees and oaks that seem a little mossy. They're beautiful. Also love the hills behind. Single transmission line pole seems to have less of an impact on the eye.	Pole structure color too bright. A different wood type would blend in better with the scene.	
P14	3	The trees. The power lines aren't as intrusive and ugly as in the first picture of this scene.	But it still has power lines in it.	

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P15	5	Lots of tall trees even though there's a powerline. The powerline isn't huge and it's a wooden structure, so not as much of an eyesore. The corridor is well-maintained - I don't see lots of weeds. It looks like open space is a normal part of the landscape. The right-of-way isn't carved through a mature forest or something like that.	It has a powerline in it, so it's not as scenic, but for the reasons listed above, it's not bad for a scene with a powerline in it.	I think these power poles are just as visually appealing (or not so) as those in scene 5.
P16	1			Isn't this scene #5?
P17	2	nothing	power lines and not much else	
P18	2		power cords	
P19	3	I like the bright green cluster of trees.	power lines	
P20	3	trees	powerlines	
P21	2		same as before not much to like about it	
P22				
P23	1	Nothing	Lines	
P24	2	trees in background	transmission lines	At least these transmission lines (or rather the wooden poles) tend to blend in a bit better than the other ones which are real eyesores.
P25	2	Trees	ugly power lines	
P26	2	same as scene 5	same as scene 5	
P27				
P28	2	SEE #5	SEE #5	
P29	3	field, trees	powerlines	
P30	3	Lightweight power structures, mix deciduous and conifers. Conifers draw the eye away from the structures to the background.	wish the lines were less obvious	Prefer these structures to those in Scene 5, again because of visual weight, but wish the lines were less obvious.
P31	3	The trees are nice	Not much to look at here and the focus is the power lines.	
P32	2	The variation in the trees and vegetation.	Power lines in the foreground, and the grass looks dead.	
P33	3	SEEN IT BEFORE WITH DIFFERNT WIRES	BORING	
P34	3	trees	brown grass, utility poles	

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P35	4	The trees	The power lines	
P36	4	See my comments about scene five, and these power lines are a little less obtrusive in the landscape.	The power lines, again.	
P37	3			
P38	3	the trees and the field	the powerlines	these are nicer-looking powerlines than in the previous one you showed of this scene, however
P39	3	hay, contrast of dormant trees to evergreen trees	similar to scene 5	
P40	3	Field is cut	overhead wires	
P41	1	nope	power lines are freaking ugly	
P42	3	do you know your repeating yourself??		
P43	2	This scene is slightly better than the other one like it, due to the change of power lines. They look more like trees here. Looks like somewhere open I could explore.	Power lines.	
P44	3	trees	power lines and landscaping in foreground	also a duplicate picture
P45	6			
P46	6	I like how the electric poles blend with the trees	I just don't like that dead grass	
P47	3	Same scene as scene 5. Maybe greener but that is it		
P48	4	The smaller power line structure is better.		
P49	4	same as before -- and the parts of the towers i did not like before are gone! this feels much less imposing/out of place		
P50	4		wires	
P51	5	nicer power lines, blend much more elegantly with the trees		

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P52	2	The clearing creates a pathway (corridor) for wildlife. There is still nice foliage in the background with little other infrastructure visible.	These transmission lines do not appear to offer the same perching opportunities for wildlife but are smaller than those earlier and mimic the look of trees; functionally though, they appear to have less natural value in their design. In general I do not like to see transmission lines and a cut path in natural areas. Appears that a forested area has been converted to grasses to maintain the lines.	
P53	3	The same as scene 5.	The same as scene 5.	
P54	4	No more Sleestacks!	Kinda boring scenery.	
P55				
P56	3			
P57	3	same as the last one. the poles are interesting to look at	same again, wasted sapce, but lots of opportunity for other activities	
P58	4	Trees, Meadow, hills.	Power lines/ poles.	The power poles seem less intrusive than the other ones in the similar photo though.
P59	3			
P60	2			I feel like you're trying to make a point about powerlines.
P61	3	Nice outdoor scene, wide vista, trees.	Ugly power lines. But they're less ugly than in the previous version of this picture.	
P62	4	Pretty colors	again looks more like a roadside than a place to picnic	
P63	4	same as scene 5	same as scene 5	
P64	3	The power poles are much better in this landscape. They look like trees themselves and don't take up that much room and they blend in with the landscape much better.	It's unfortunate that power lines still have to run through the vista.	
P65	2			

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P66	4	Openness, relaxing. The powerlines here are more natural and seem to fit the landscape better than the steel ones.	The lines continue to disrupt the view.	I like this idea of the powerlines better than the ones in scene 5.
P67	4	The mesic ecosystem vegetation here is most appealing.	The mowed pasture land seems out of place in the ecological context, and the utility corridor seems troubling.	A similar image with different utility line structures was reviewed earlier, in comparison, here the structures are poles and seem less intrusive than the earlier bi-pod structures.
P68	4	There is nice variety of trees, deciduous and evergreen and in various colors of green.	The power lines and towers do not blend with the scene, but it is better that the double ones in the previous picture of this scene.	
P69	4	Same comments as before....although if I had to choose I would pick this style of power line as it has a wood base/post.	power lines.	
P70	4	trees, minimal development	powerlines.	Much better than the bulkier powerlines from earlier. I like that they are less intrusive and more streamlined. There is also a smaller footprint.
P71	3	sky, fields, trees and colors	powerlines.	less distracting powerlines than previous image
P72	3		power poles	These power poles are less invasive than the others from the earlier photo, but they are still the first thing you see.
P73	6	Same as above. Those power lines look a little cleaner and more like a tree - is good!		
P74		Trees, meadow, feeling of space.	Powerlines	
P75	3	looks like good habitat for the most part	power lines	
P76	3	Power lines are slightly less aggressive looking than they were in Scene 5.	Bare earth and power lines.	
P77	2	the unmowed parts (same as before)	the un mowed parts, and changing the power lines didn't help	

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P78	3		dosnt seem useable	
P79	3	field, woods	powerlines	
P80	3	still don't like it much at all	still don't like the power lines	
P81	1			
P82	3			
P83	4			
P84	2	Single pole is cleaner		Same as scene 5 but with DIFFERENT powerlines
P85	3			
P86	2	The harvest scene.	Power lines, gray sky.	
P87	2	the smaller power lines are better than the first picture	the dry grass	
P88	2	same as before?		
P89	1			Looks an awful lot like scene 5 to me.
P90	4	same as before... this time less power lines in the way	again the power lines get in the way	
P91	5	Nicer less mass to electrical towers		
P92	5	I prefer these poles to the earlier scene. Less of the ground is taken up with one pole versus two. A lot less bulky looking and less obstruction of the trees.	Still with the poles. Let's bury these too.	
P93	2	didn't we already rate this?	power poles, dead grass	
P94	5	Again the wood pole is key.		
P95	2	Same as last time.	Power lines and poles.	
P96	1	Not much.	Not enough color - the time of year that makes one contemplate suicide.	
P97	2	green trees	electric poles	
P98	4	variety of trees, hills, open/ not exposed,	power lines don't make a defined space underneath for walking	
P99		I still like the vegetation contrast	Power lines.	
P100	5	It is very similar to Scene 5, but with less obtrusive power lines. I like the clouds and trees.		
P101	3	Pretty scenery	Ugly electric wires	
P102	4	mixed tree species	foreground dominated by the power lines	

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P103	3	trees	power lines, boring	
P104	4	Again this photo is framed well. Back ground balanced.	This photo again is static even with the changes to the power lines.	
P105	2	Same as above.	Same as above.	
P106	2		See below	Electric toweres and lines added
P107	3	the trees	the utility poles and lines	
P108	6			
P109	3			These power lines are not as obtrusive as the ones in Scene 5
P110	3	Same as other photo--open	Powerlines	The type of line is different--less ominous and imposing than the ones in the first image
P111	4	Open space.	Power lines.	
P112	2	Everything but the power poles	Can you paint those things with camouflage?	
P113	3			Same scene as #5, different power stantions; both are a visual blight.
P114				
P115				
P116	5			The poer lines are more minimal than the similar picture.
P117	5	less obtrusive powerlines	lack of shrubbery below powerlines	
P118	3	trees, hills in background	cloudy sky, the cleared area from the power lines, the power lines themselves are intrusive but not as much as the cleared area	although i'm not a fan of the power lines, I do like that they are minimal structures-- basically just the poles
P119	2	Colors; mix of trees; clouds	Power lines more obtrusive in the way they are positioned on the poles, make them more of a presence in the scene.	My kite might get caught more often on these wires.
P120	4	solo wood utility poles fit better and are set back in the trees, so they blend along the horizon	Still transmission lines remain	
P121	2	trees	telephone wires	
P122	4	Ref. Scene 5	Ref. scene 5	Power poles fit in much better than in scene 5

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P123	4	Natural beauti still quite visible.	power lines less intrusive than the towers in scene 5, but still to overwhelming.	
P124	4	trees and hills. The poss are less ugly than pylons	posts and wires	
P125	3	The diversity in plant life and and views.	I feel like without the power lines this space could be used more efficiently. Like to grow hay or vegetables or for pasture. But the power lines reduces the space available and then leads to questions of exposure to electrical particles (etc).	
P126	5	slightly prettier lines		
P127	5	I really love this spot	These poles are much better. I still don't like them, but they are less intrusive	
P128	5	The filed, the trees	I'm not a huge fan of the telephone poles, but they're WAY better than last time	
P129	3	trees	power lines	
P130	4	Clear & tidy looking, the poles fit in pretty well w/ the surroundings		
P131	3	trees		
P132	5	The shades of green and open sky. These powerlines are more discreet than in the same picture above.		
P133	1			
P134		potential creek on the other side of the tree line	wiring	
P135	4	Good contrast	Too bright	
P136				Isn't this the same as Scene 5?
P137				
P138	5	Rural.	Power lines.	Much better than the big honking set up in Scene 5.

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P139	6	Same comments above - 2 posts vs. 1 doesn't really affect my opinion.	The swath of land cut for the power lines should be appropriately wide for the power lines whether they are big wide towers or little ones like these.	
P140	5	I like that it's much easier to ignore the power-lines in this scene compared to the last one! Still like the trees, field, and hills.	I don't like the power-lines (thought it's a VAST improvement over the last scene).	
P141	3	Nice landscape. Nature oriented. Lower visibility telephone lines are nicer than previous similar scene.	Power lines still detract from picture.	
P142	4	I think I've seen this one before.		
P143				
P144	2	not much	drabness; power lines seem out of place	
P145	1	Sky	Seems lifeless. Electrical wires.	
P146	2		Looks like it hasn't been getting enough water.	
P147	2		Really hard to see the natural beauty of the landscape with power lines drawing all of your attention.	
P148	2	Trees, field look relaxing. Power lines smaller than in #5 above, which is a little bit of an improvement.	Power lines are still front and center	
P149	4	i like these transformers better than the previous.		would be so interesting to explore different types of transformer aesthetics based on site context
P150	3	not much, same boring shot as last time, but power lines seem different	power lines and the fact that image has no focal point	
P151	4			
P152	1	The natural scene in the background.	The landscape has been damaged by the clearing of the site for the power lines, and the powerline structures themselves are obviously situated detracting from the beauty of the area.	
P153	3	not much	not much	
P154	1	Not much.	It is a boring scene.	

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P155	2	Light is maybe a little better this time.	Not much. It's pretty boring. Grey.	
P156	2			
P157	4	trees, openness	power lines	
P158	5	better than the big ugly mental things		wood is great, but it is required to be replaced more often than metal, its better looking but not sure if it would be strong enough if that's a heavy storm area. I think people would rather deal with ugly than being cut off from the world
P159	3	these poles and wires don't seem to be as in your-face as the ones seen in this previous picture		
P160	3		Seen before?	
P161	2	Nothing	What with the power lines?? Are you promoting PG&E	
P162	4	Grass	No center	
P163	3	Utility poles are higher than previous picture		
P164	4			
P165	6	open	nothing smaller power lines, tho is better	
P166		Didn't we see this one before?		
P167	3		The power lines and the clouds give it a closed in feeling	
P168	3			while the power lines are less bulky than the ones in scene 5, it's really not different enough to change how I feel about it.
P169		Already did this one,		
P170	5	The trees are lovely.	Still don't like the power lines, but they flow better with the nature here.	
P171	4	looks peacefull with the meadow and trees.	power lines	
P172	3	this is the same as scene 3		
P173	4			

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P174	4	Nice distance view, working field, power lines are certainly there but attempt to blend with trees.		
P175	4			
P176	3	Still pretty grim, but the power poles have a smaller impact in this one.		
P177				
P178				
P179	4	trees, nature scene	washed out color of grass in foreground; the power lines are at the same level as the tops of the trees, distracting from the natural aspects of the scene	
P180	2	Not much.	There isn't much going on.	
P181	1	pretty clouds	all that flat, grassy space for the power lines	Can you imagine keeping that mowed?
P182	3		Odd looking configuration of the cables on the poles.	
P183	2			
P184	4	Attractive in a barren wintry kind of way.	Power lines.	
P185	1			See comments for #5.
P186	3	The big leaf maple and cottonwood trees.	Powerlines are an eyesore, but they could be worse. Clearcut.	
P187	3	This also looks like a previous scene, but the power lines are less intrusive, visually. The single poles seem less out-of-place.	I still don't want to hang out under power lines. Electromagnetic radiation, you know.	
P188	5	These telephone poles are less obtrusive than the telephone poles in Scene 5.		
P189	5	Similar to previous photo, but I like these powerlines better. They are less intrusive.	It looks like the powerlines are more likely to fall down if there was a storm.	
P190	2	Trees, power lines are less obtrusive than Scene 5	Power line, dead grass	

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P191	2	The trees are OK.	The power lines are still there, but the poles take up less space.	
P192	3			
P193	4			
P194	2			
P195				
P196	4	There are trees and it looks like a nice pathway (?) to walk though, like if this were in a greenbelt in your neighborhood.	Everything is brown & dry.	
P197	2	n/a	n/a	The feeling I get from this scene is indifference.
P198				
P199	2	The trees.	The power poles and wires.	
P200	1	nothing	everything	
P201	2	mountains in the background	brown and power lines	
P202	3	Line of trees with hills in background.	Power lines.	
P203	4		too much grass	
P204	2			
P205	3			
P206				not interesting
P207	3	trees	not much to look at besides power line and clear cut	these seem less intrusive than the 1st set
P208	1	I think it's cool, the way photos can be doctored. Otherwise, see my Scene 5 comments.		
P209	4	Trees and sky.	Power lines. Dry.	
P210	3	Trees	Electric wires, cloudy	
P211	3	Trees, mountains, grass etc. I'd have to say I like the design of these powerline poles more than the first one.	Still not the most interesting view.	
P212	4	Staggered connection of power lines to poles. The dark reddish brown color of the poles that blends and pops against the background.	From this angle, power lines appear to skirt treeline.	

Survey Participant	Rate Scene 11	LIKE about Scene 11?	DISLIKE about Scene 11?	Additional Comments on Scene 11
P213	2	This is the same as scene 5 with different powerlines. I like these power lines much more - they are much more discreet and more visually appealing.	It's still a big mowed right-of-way under powerlines. Not that exciting. I like it better than scene 5, but on a 6-point scale, not different enough for a different rating.	
P214	2	pale greens	pretty boring and power lines	
P215	5	trees	power lines	
P216	3		no color or life to the picture. My eyes are drawn to the wires - not good	
P217	2	the natural features	the telephone wires	
P218	2	trees	differently shaped utility poles don't make this one any better for me...	
P219	2	hmm... not much, there's not a lot going on	see above	
P220	4	didn't i do this one? hint of foothills, trees	telephone lines	
P221	5			
P222	2	not much.	too close! and unfamiliar shapes of towers bothers me even more.	
P223	2	colors and textures of trees and field	power lines	
P224	3	Should be easy to hike along power lines.	Power lines. Brush looks too thick to hike in.	
P225	1			
P226	1	Nothing	boring and features the poles	
P227	2	not much	not a whole lot either. do I assume the lines are among farmed areas with multiple use so to speak	
P228	3			
P229	5	the poles and lines are more delicate, less obtrusive.		
P230	2		These power lines are not right. They are in the middle of a field.	

SURVEY RESPONSES FOR SCENE 12

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P1	2	The flatness.	The power lines.	That is a crazy amount of power lines.
P2		gigantic scale and humanoid forms, abrupt contrast of land against sky, mysterious fence	fairly ugly road, eye is pulled in all different directions with the lines, the road, the fence posts.	
P3	1		I have always disliked the happy face poles.	
P4	5	The wide open space. The road stretching into the distance.	The scrub brush.	
P5	2			
P6				
P7	2	?	Powerlines and road.	
P8				
P9	3	tumbleweed,	powerlines, road	
P10		Low profile lines	Power lines	
P11	3	The wide open spaces.	The above ground power lines.	
P12	4	Very open space ground wise.	The land looks wasted.Also too many powerlines.	
P13	2	I love the scrub shrub and looks like an old corral to the left, very neat!	Holy cow that's a lot of transmission lines. I think I can hear the sizzling from here! Why can't they consolidate??	
P14	1	Sagebrush is cool I guess.	Ugh. Too many power lines everywhere!	
P15	2	The shrubland habitat.	This was a pretty nice, large block of sage/rabbitbrush habitat, as far as I can tell, and it's been completely overridden by many sets of high-voltage powerlines, probably rendering it unusable for many species of wildlife.	
P16	3	Desert plants, open sky	road, fence, power line	
P17	4	The road and lanscape	power lines	
P18	1		power cords	
P19	5	I like the robot powerlines, the texture and the old brown fence.	There is nothing that I dislike from an aesthetic point, but I would like to be around the robot power lines.	
P20	1	grasses/brush	powerlines	looks similar to scene 6

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P21	3		Wires, ugh! sage brush kinda pretty until you see it for miles.	
P22				
P23	1	Nothing	Everything	
P24	1	shrubbe-steppe	trampled area of pen in foreground, asphalt and transmission lines	
P25	3	Interesting power towers	Dry, desolate & way too many power towers.	
P26		the sage, it's pretty	transmission line landscape	
P27	1	nothing	depressingly stark dry and brown	
P28	1	the open road	Powerlines everywhere	
P29	1		powerlines, road, barbed wire	
P30	1	Nothing.	Arid landscape, prominent power structures actually dominate, even crisscrossing the road. Feels like "Mad Max".	
P31	2	The vast view.	Power lines and drab scenery.	
P32	2	The wood post fence and sagebrush have a nice aesthetic together.	The power poles/structures are very imposing.	
P33	1	BORING	WHAT IS WITH THE WIRES?	
P34	1	nothing	everything	might as well run the utilities and road through this ugly landscape
P35	3	The sky	The power lines, fence, and road	
P36	1	Blue sky.	Really ugly power lines, plus see my comments about Scene Nine.	
P37	2			
P38	2	how it's rural, the sage	the powerlines, and how many of them there are	
P39	1		similar to scene 9. no curve	
P40	3	Sky is blue	Don't like the electrical poles	
P41	1			
P42	4			
P43	1	Nothing - this scene is horrible.	Everything. Looks like they took what was open, desert land and put an over abundance of ugly power lines everywhere. Looks like some weird alien invasion.	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P44	3	desert scene	powerlines, road, fence	
P45				
P46	2	the road	I don't like the electric poles	
P47	4	Cool cow enclosure to the left. Feels like a stop on a trip to stretch outside the car	Not much to dislike	
P48	2		These big power line structures are about as ugly as they get	
P49	2	not much. the blue sky with the sandy foreground is sort of pretty	the landscape is monotonous in color, texture, topography, etc. the towers are ugly in form, no discernible rhythm, look haphazard, just thrown down here and there without regard for the place. it looks like the place was sacrificed for the towers	
P50	2	western skies	wires imply people in a desert with no water.	
P51	4	kind of bizarre and lonesome - looks almost alien, like a sculpture garden. Also love the sage brush and the warm wooden fence in the foreground	the road and the scale of the powerlines, out of scale with the rest of the landscape	
P52	1	the color pattern of the desert scrub.	The high voltage transmission lines and towers that scar the landscape and do not offer any benefit to wildlife. The road that cuts across this nice scrub landscape is perpendicular to the lines and so there is basically no view where the landscape is not seriously disturbed.	
P53	2	I like the blue sky.	I don't like the browns or the wires.	
P54	2	The desert scrub.	Seriously? Those things don't look to you like they're going to come alive and chase you down?	
P55				
P56	1		Wires	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P57	3	the interesting shapes of the towers, why are they different from each other?	Why are they so spread out, and so many of them? It looks like a tangle of wires.	
P58	2	The sky, texture of the plant life.	Power poles and lines.	Whenever I see pictures of this sort of terrain it reminds me of riding in the car as a kid and being hot and thirsty.
P59	1	Not much.	Looks like a scene from the movie Contact.	
P60	3			
P61	3	Nice desert scene, old fence in the foreground, sweeping vista.	Ugly power lines and poles.	
P62	5	Going somewhere awesome, love deserts and the beauty of amazing human landscapes. What cool creatures to move electricity around like that		
P63	2	I like the open expanse	It just reminds me of dividing up the west.	
P64	1	Nothing.	The number and type of power lines running through the area is horrible.	Yuk.
P65	3	Power structures dominate, although these ones look more alien, so a bit more interesting.	Focus on power structures. Ugly fence in the picture.	
P66	2	The sage brush.	Too industrial. Too much evidence of how the human race bends the environment to its needs.	This one depresses me.
P67	2	The open sky is most pleasurable in this scene.	In general lower, less differentiated landscapes are less appealing to me than Pacific Northwest mixed temperate forests. The utility lines detract from this scene. The massive utility tower structures are also incredibly overwhelming.	
P68	1	I don't.	There is so much electricity, I can practically hear it crackle.	
P69	2	Sunny sky, open grassland.	Power lines.	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P70	1	Minimal development.	Ack! I think you forgot a powerline or two! ugh, this is horrible. everywhere you look, powerlines.	The worst thing about this picture is that it's clear there was no planning or thought of consolidation. Need more power? Slap some more wires and towers in there. There should be some attempt to piggyback on existing infrastructure.
P71	2	Blue sky, sage	harsh environment, exposed to elements ... looks grazed. Powerlines contribute to feeling like I don't want to be in this space for long ...	
P72	3	limitless space		all the power poles
P73	4	Sagebrush. Presence of ag. Clear road, well-maintained.	Again, disorganized power lines. Who built that crap fence? Poorly braced corners, slumping wire, etc. The area needs some rain. Why isn't the power line parallel with the road?	Looks like northern Nevada.
P74	4	Open space, blue sky.	At least the powerlines are in a more desolate place.	
P75	3	shrub steppe habitat	crazy power line corridor	
P76	4	Relative to the other images I like that this landscape has somewhat ugly power lines placed in an equally inhospitable landscape. Since people are less likely to want to preserve this space as a pristine area, it seems like a good idea to put the unattractive power lines here.	I would not want to spend time there.	
P77	1	not a thing	another hell in the desert... power lines are ugly and so is the scar, I mean road.	
P78	4	the expanse has a richness to it, textures colors etc	the powerlines are too numerous	
P79	2	nice weather	powerlines, road	
P80	4	prairie sagebrush	power lines	
P81	1			
P82	5			

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P83	3			
P84	2	Sun, Hydro	Power lines	
P85	2			
P86	1	Not much.	Power lines.	
P87	4	the power lines seem to fit with the landscape here.	fence	
P88	2	vegetation, fence	infrastructure completely dominates landscape	
P89	1	The sagebrush	Powerlines	
P90	1	nothing	The power lines	
P91	3			
P92	1	Not much with the sagebrush and straight road.	Not much to like here...straight road (little interest), same sagebrush forever. Poles are a mess of style, direction. Would almost feel "under attack" as I drove under them.	Hopefully these don't really exist like this...
P93	1	nothing	power lines dead grass	yucky
P94	3	Nothing really to like about this one.	It looks like a metal invasion.	
P95	3	Nature.	Power lines and supporting structures.	
P96	6	The powerlines are once again very powerful post-industrial sculptures marching across an otherwise barren and uninteresting landscape. That Greek (Christo??) tried to do the same thing but didn't have the resources to really pull it off. Notice how some of the structures mimic the broad-shoulders hulking Ansazi pictographs. I've appreciated them many times as they interrupted otherwise brutally dull drives across the Basin by stimulating my imagination. Low sun lighting on them as they cross ridgetops is spectacular. Some of the best are on the backroads between Mansfield and Quincy east of Banks Lake	The overstocking of artemisia tridentata indicates that this system is way beyond its natural fire return interval and needs some managed fire to get it back to where it can support the native species it originally nurtured but are now disappearing because of fire exclusion.	
P97		fence, road going no where	powerlines	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P98	3	cool fence, 2 lane road	scattered power lined	
P99	1	Maybe the texture of the sage.	Power lines.	
P100	3	The open sky.	Not much of a person for the desert. The power lines seem to be laid out in a very inefficient way.	
P101	1		Everything about this is terrible. I don't like the wires, dry ground, and I do not like the lack of vegetation.	
P102	2	scrub shrub land	powerlines	
P103	2	colors	power lines, road	
P104	3	Pass	Great for the family album.	
P105	2	The old fashioned fence.	Everything else.	
P106	2		Electric towers and lines	It depends on the purpose of the picture.
P107	2	the desert plants	the power poles and the road	
P108	6			
P109	2	Rugged desert area	Overwhelming power lines spread over a wide area.	
P110	4	Sagebrush, open sky, sense of the distance, with the road leading in	Powerlines--though they provide some sense of vertical interest.	
P111	1	Open space.	Horrible power lines.	
P112	1	Umm - the corral?	Attack of the giant power grid!	
P113	2		The power towers overwhelm the scene.	
P114	2	this is once disturbed sage country with some possibility for spring flowers in a wet year	not much to commend here with the multiple power lines and very dry conditions	
P115				
P116	3			
P117	3	Well the powerlines look like cool robot creatures.	powerlines distract from the landscape and horizon	
P118	4	desert area, wilderness	scary robot power lines every where, fence in foreground (what's that for anyhow?)	
P119	1	The narrow road doesn't take up as much land; The fence is characteristic for the location, blending in.	So many power lines - what happens to birds?	At least the powerlines appear to be in a remote location which doesn't intrude on human activity.

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P120	1	the sagebrush, but that may be judging the picture not the scene.	View consists completlet of power lines. I would not enjoy viewing this in person with the power lines as they really consume/overwhelm the horizon.	
P121	1	nothing	everything	
P122	3	Ref scene 9	Ref scene 9	Power towers are certainly more dominant.
P123	3	I happen to be very partial to high desert.	I hate power lines when they predominate the landscape.	
P124	1	Not much	pylons	
P125	3	I'm neutral on this. The diversity in textures and colors.	Again fairly neutral on this picture. Not generally a landscape that I find interesting.	
P126	4		Lines	
P127	2	sagebrush and grass, sky	the weird patch of dirt? in the lower left, the significant presence of power poles, road	
P128	5	The telephone poles look like giants - it's kind of cool. I like how the picture is framed, too, with the road on the right balanced with the fence on the left.	The fence on the left is a bit ugly	
P129	3	grasses	Road,power lines	
P130	2	The variety of brush	Giant, ugly, alien-looking powerlines	
P131	3	the sage brush	massive tangle of transmission lines	
P132	3	Love the sage brush, textures, colors, giant sky.	Too many powerlines, eeek.	
P133	1			
P134	2	wood fence & cacti	electric wiring	
P135	4	Adventure, road trips	Road trips are boring	
P136	5	Blue sky, wire holders sort of look like cats, contrast in vegetation color	wires, flat terrain	
P137				
P138	5	Very interesting scenery.	Power line towers.	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P139	6	Cool fence. I can hear the area buzzing. Cool dichotomy of technology and nature.	I hope that that many power lines don't negatively effect the wildlife in the area. That's an awful lot of lines. You wonder if they could have managed them a little more efficiently.	
P140	4	Love the bright blue sky and the rugged terrain with a hint of the fence	I don't like the electric lines (way too many!).	The design of these power-lines seems to be kind of okay since they somewhat fade into the background. It's just the overwhelming number of them that ruins the landscape. With fewer power-lines in this scene much much more pleasant.
P141	3	Reminds me a cool part of the road to Moab.	Lots of big powerlines and the fence detract from the landscape.	
P142	1	nothing	Boring, desolate.	
P143				
P144	3	reminds me of a movie set...alien invasion	no "life" to the photo..very beige and gray	no wildlife visible either??
P145	1	Sky. Sagebrush	Electrical wires.	
P146	2	Again, the land.	There are so many hydro lines!!!	
P147	2			
P148	2	Plains, looks warm, spacious.	Power lines are huge	Power lines are somewhat less disruptive here, though I'm not sure why. Might be related to the composition of the photo.
P149	5	transformer sculptures! work for me in this landscape context		
P150	1	wildness of the terrain	too many powerlines!	
P151	1			
P152	1	Very little.	The long monotonous route driving through a jumble of imposing wires and metal structures that are lethal if touched.	It feels like driving through a closet full of wire coat hangers.
P153	4	reminds me of a scene from Forrest Gump or Thelma and Louise	dryness	
P154	6	Broad open spaces.	Power poles are always a nuisance.	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P155	3	The sky and the empty road disappearing over the hill. Again, makes me curious.	That it looks like about 300 miles of driving through Nevada. Ugh.	
P156	3			
P157	2	openess makes you feel like you can see what's coming	power lines are ugly, so is fence	
P158	1		not a fan of the desert or big heavy wires, but if you have to put big ugly wires up, the desert is a great place for them	
P159	1			the electric towers are terrible...scarring the sage land
P160	3		Those wires	
P161	1	Nothing	Everything	
P162	3	Vegitation	No center	
P163	2		Ugly power poles & desert in previous picture	
P164	3			
P165	1		lines	
P166	1	Ditto the comments before about sagebrush country and power lines.		
P167	3	The sky, the vastness	The power lines	
P168	2		everything is dead or looks dead and power lines are the only thing to look at. It screams Eastern WA.	
P169	6	Someone build all of that for us to have power! And it is not like anyone would want to camp there anyway!		
P170	2	Love the plants, the openess.	Horrible power lines and ugly fence.	
P171		rode has some elevation and like the vegetation	power lines	
P172	3	lots of sky. i like the fence	scrubby bushes	
P173	4	The Openess	The wires	
P174	2	Not much--does remind me of fun cross country drive in the way, way past when we didn't think so much about fuel.	Entire landscape seems dominated by the not-great fence and those major towers.	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P175	3			
P176	5	Ok, now these are funny, like a herd of robot skeletons all connected		
P177				
P178				
P179	4	nature scene (I particularly like this type of landscape)	too many power lines	
P180	3	Big sky. Sage brush.	Nothing really.	
P181	1	The road to get me out of the bleakness.	power lines	sagebrush can be beautiful, but not so much in the middle of a power line farm
P182	3	The desert scenery, fences and the road traveling into the distance.	Towers and cables strung across the scene in a haphazard pattern	
P183	2			
P184	2		It's generally ugly with power lines added.	
P185	1		Ugh, pylons and dried plants.	
P186	2	Sagebrush.	Very prominent power lines.	
P187	1	Not much.	This scene is so, so bleak. Those power lines look really bizarre.	
P188	1		Those towers are ugly & huge. They really clutter up the landscape.	
P189	3	Pretty neutral to the scene.	The large size of the structures holding the powerlines.	
P190	5	Desert, I think the structures holding up the power lines look really cool	Strange fence in the foreground	
P191	1	The sage brush looks OK.	The large power towers.	
P192	3			
P193	4			
P194	2			
P195				
P196	1	The highway is straight and empty.	The power lines and towers. They're so randomly distributed and there's wires going everywhere, the shape of the towers doesn't fit in with the landscape at all, it just looks chaotic and ugly.	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P197	1	n/a	The area has a feeling of abandonment, especially with the old fence.	Lots of power towers.
P198				
P199	1	The desert.	The huge power structures.	
P200	1	blue sky	everything else	
P201	1	nothing	brown, scrubs, too many power lines	
P202	3	Desert scenery.	Power lines.	
P203	3	landscape (natural)	lots of criss crossing lines	
P204	3			
P205	2			
P206	4	there is a little more going on here than some of the others		
P207	2	blue sky, old fence, desert scape	roadway and powerlines	towers are huge compared to the landscape
P208	1	From this angle, the high tension towers are almost humanoid, tended and tending in the carriage of electrical power.	One can fear for any high-desert denizen wandering...or trying to...across the terrain.	
P209	2	Quiet.	Very barren. No trees	
P210	4	Alien-looking, open	Electric wires, dry	
P211	2	Scrub brush etc.	Man those powerline towers are awful and they're EVERYWHERE. It's like an invasion.	
P212	1	Not much	Feels really desolate. Towers appear ominous and alien.	
P213		I feel similarly to scene 9. Except the vegetation doesn't quite look as bright - could just be the lighting or the focus of the photo.	The powerlines are much less discreet than those in scene 9.	
P214	3	great colors from the vegetation	power lines and road	looks familiar
P215	1	nothing	dry and barren, power lines	
P216	2	road off to the side is good	the metal towers are the focus rather than the brush . Fence is foreground is distracting	
P217	2	the natural features	the powerlines, the road	
P218	4	sagebrush, curve of road. towers have a interesting shapes	power lines and the face that there are utility towers at all	

Survey Participant	Rate Scene 12	LIKE about Scene 12?	DISLIKE about Scene 12?	Additional Comments on Scene 12
P219	4	again this reminds me of a road trip i took	not much life	
P220	5	wide open, sage brush	the grid	
P221	4			
P222	2	not much.	way too much going on. way too busy. feels trapped, strangled.	
P223	2	good subtle colors of sage and grasses	powerlines are predominant	
P224	4	Wide open space. Easy hiking.	Power lines.	
P225	1			
P226	3	Actually, the transmission lines are at least sort of a subject and there is an interesting line in the road balanced by the ugly fence.	same as above - its ugly and isn't really a picture of anything except poles	
P227	2	the road will take my vehicle to nicer scenes	dry and not utilized for much space, which to me might as well hold lines	
P228	3			
P229	4			
P230	4	It appears to be a dormant season, which is part of nature.		

SURVEY RESPONSES FOR SCENE 13

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P1	3	The snow and the trees.	The power lines.	
P2		the sky	just about everything else. plants are boring. hillsides are over-exposed and contrasty, snow and medium distance landforms are scary	
P3	1			even with snow.
P4	4	The trees. The snow.	The cut through the trees.	
P5	4			
P6				
P7	2	The snow and the trees.	powerlines dividing nature into parts	
P8				
P9	3	snow	powerlines	
P10	5	Beautiful	Still lots of necessary evil power lines	
P11	3	Lots of snow and trees.	Above ground power lines	
P12	4	The snow looks pretty.	I can't define the timber.	
P13	2	I think it is neat how the towers stick up on higher elevation though. The trees look healthy, too.	The amount of transmission lines overhead is chilling, actually. I don't like the feeling I get thinking about it.	
P14	2	Snow! I wan to ski those bumps under the power lines, even though it's not much vert (and really not enough snow to ski on).	Too many power lines. They need to be consolidated or something.	
P15	2	The trees, snow, and I think I've skied here!	The powerline right-of-way has made an obvious, stark cut through what looks like fairly contiguous forest, fragmenting this habitat. The large powerlines are also very visually dominant and ugly.	
P16	1	Snow and trees	Power line, the huge cut through the trees	
P17	2	The snow	power lines	
P18	2	forest, trees, more natural	power cords	
P19	5	The robot power lines are skiing. I like the little twigs peeking out from under the sknow.	I would not want to go sknow shoeing around the power lines.	
P20	1	snow	power lines	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P21	2		wires :(
P22				
P23	4	The snow and trees	Lines	
P24	1	trees	transmission lines - how many more could they fit in?	
P25	4	Blue sky, contrast with the snow and trees, the power towers actually look interesting	It looks like one big slice out of the forest to accommodate power lines	
P26		cool photo	straight swath of land cut away to make room for transmission lines	
P27	4	clouds	phone towers	
P28	2	love the snow piled up, just waiting for me and my snowboard	I wouldnt snowboard here, to many powerlines	
P29	1	looks like good skiing	powerlines	
P30	2	Open space, variety heights, greenery on mountains, open sky	Power structures made even more monumental by being set on a butte. I could not really relax in this space seeing those structures.	
P31	4	Trees!	White out snow and power lines.	
P32	1	The snow and cloud formations.	The trees are really dark, and the transmission lines and structures interfere with viewing the cloud formations.	
P33	3	TREES SNOW	WHAT IS WITH THE WIRES	
P34	4	snow, trees, sky	power lines	
P35	5	The snow, trees, and sky	The power lines	
P36	4	The snow, protruding branches, nearby forest.	The power lines, although they aren't as prominent as some of the others.	
P37	2			
P38	2	the trees and the snow	the powerlines, and how there is a clear-cut area below them	
P39	4	snow, dead weeds coming out of the snow, dark evergreen trees, blue sky with white clouds	would've liked better with a sky lift instead of power lines	
P40	3	Trees	Wires	
P41	1			
P42	3			

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P43	1	Nothing.	The ton of power lines and look of wires over my head.	
P44	3	snow, trees, mountains	powerlines, and associated clearing of the land	
P45				
P46	5	I like how the picture follows the electric lines	the dead twigs sticking out of the snow	
P47	5	Wat to grab my sled and have some fun	Nothing	
P48	2		The entire scene is dominated by the power lines and structures.	
P49	3	contrast of open snow with dark forested edges -- the lines over head converging toward the horizon bring my eye (and maybe my feet?) up the hill	towers' forms are ugly and too varied. i like the form on the far left best (am least bothered by it) maybe it is more tree-like?	
P50	3		wires	
P51	4	contrast between dark and light, and the snow bank looks like fun	powerlines appear to be intruding through the trees, not blending at all	
P52	3	snow and pine trees are appealing. If the transmission lines are on a fire break, I like the duplicate use. I like the blue sky view and wispy clouds.	If the lines are not in a fire break, then the building of the transmission lines required clear cutting and I do not like that!	
P53	5	I like the snow and the sky.	I don't like the wires.	
P54	3		OH GOD NOW THEY'RE SKIING.	
P55				
P56	1		Wires	
P57	4	That the space is being used, it is a clearing in the woods with more than one function.	Why 4 rows? Is it necessary to have so many?	
P58	1	snow trees	power poles and lines	
P59	4	Snow and trees!	Power lines.	
P60	2			
P61	3	Trees to the sides, snow.	Power lines, weird composition with dirty snow.	
P62	1	mountains, trees	snow, hard to get through there without a snow mobile and i don't like snow mobiles (fumes are yucky and they are noisy)	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P63	3	snow!	powerlines and clearcuts.	
P64	2	I like forests, greenery, and snow.	The clear-cutting for the power lines looks awful. The lines themselves are not pretty to look at.	At this point I'm starting to wonder why they don't make power poles look like they do stealth telecommunication towers. Those are required to look like trees. They don't do that great a job at it, but at least it's something.
P65	3	Snow!	Not much of landscape. Looks overly snowed in. Too much emphasis on power structures.	
P66	3	Snow and trees. No buildings.	the powerlines overwhelm the area.	
P67		The open sky and conifer forest are most appealing in these scene.	The utility lines detract from this scene. The massive utility tower structures are also incredibly overwhelming. The sculpted slopes here also seem out of place.	
P68	2	I love snow.	All the towers and wires.	At least the wires and towers are all cutting one swath together.
P69	3	snow. forest.	powerlines dominate the picture...I never like to be directly UNDER them either.	
P70	4	Trees and snow.	Right under powerlines. Three sets of lines running together - why not consolidate?	
P71		blue sky, clouds	clearcut, powerlines and bare swath	
P72	3	the trees	the power lines impact on the area, the apparent lack of thought in the placement of those power lines	
P73	3	Snow!	Tree monoculture. The power lines are coming dangerously close to touching the snow-surface. Power line easement not properly sited with trees - too much encroachment.	
P74	4	Trees, blue sky, snow.	Powerlines.	
P75	3	native habitat apart from power corridor	large power line corridor creating barrier to gene flow for many smaller forest species	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P76	4	The snow and the trees. The sky looks beautiful.	The power lines.	
P77	1	my son wants to ski here	The power lines	
P78	3	the likely hood that this is a skiing slope	the powerlines would probable subtract from the views in other directions	
P79	2	snow	powerlines	
P80	4	clouds	snow mounds	
P81	1			
P82	3			
P83	3			
P84	2	Snow, sky, trees	Powerlines	
P85	4			
P86	1	Not much.	Power lines.	
P87	5	here the power lines seem to be a part of the sky.	the trees are too dark to really see.	
P88	2	snow,trees	feel buried in snow, focused on powerlines	
P89	1	The trees and snow	The powerlines.	
P90				
P91	4			
P92	4	Snow and sky and trees are always beautiful	Too many random lines spoiling the skyscape	At least put ski lift chairs on these lines and let us enjoy the powder on the hill.
P93	2	slightly interesting with the snow mound	power oles	
P94	3	The presence of snow seems to lessen the interruption in this scene.	When the snow melts it won't be the same. The sheer width of sky that is strewn with hanging lines is very overwhelming.	
P95	4	To see the amount of xnow that has accumulated due to perhaps an avalanche.	Power lines and structures.	
P96	6	Strong perspective lent to the scene by the powerlines. A pretty dull landscape without them.	Scraggly bushes in the foreground distract from the otherwise strongly linear composition.	
P97	1	trees	powerlines	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P98	3	trees	massive and many powerlines, deep snow	
P99	3	Snow is rather pretty!	The power lines.	
P100	4	The snow and sky.	The power lines.	
P101	2	The trees and hills are very pretty.	The wires are eyesores and the snow looks so deep and cold.	
P102	3	snow	powerlines	
P103	2	trees, snow	power lines	
P104	3	Pass	Would be fine for the Power Companys right of way calendar.	
P105	6	How artistic it makes the electric lines and poles look and the symmetry of the trees on each side of the snow.	Nothing.	
P106	2		Just a lumps of snow, wires, and trees	
P107	4	the trees and the snow	the power poles and lines	
P108	6			
P109	2	Fresh snow	Why so many power lines? If they are going to do this, why not consolidate them onto one set of supports?	
P110	3	Looks like a good place for snowshoeing and the openness invites.	The woods are super dense on each side. The powerlines are unattractive, though they are the reason for the opening I like.	
P111	2	Trees.	Power lines.	
P112	4	Snow & Trees	So much room taken up by the poles.	If I was X-country skiing and I came around the bend and saw these, it would really piss me off.
P113				I'm bored! Power towers are not my thing. True foe the remaining scenes.
P114	3	at lest there is vegetation and greenery, grass or grazing land without the snow	the need to cut a path for the power lines is always depressing	
P115				
P116	4			
P117	2	trees to the sides	the powerlines disrupt the landscape. But again, we all use power...	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P118	3	forested area, snow	the power lines are super prominent. wires seem low to the ground and dangerous. towers are huge and intrusive. there are so many of them! the cleared area needed to put the power lines in looks like it really is hurting the ecosystem- bad for the environment	
P119	1	The various shades of blue, the combinations of blue and white are pretty.	The destruction of forest for the powerline easement.	
P120	2	snow in place	the scare of the lines among the trees. With the snow the impact of the lines on the lanscape is lessened but I can help thinking about the landscape without the snow.	I guess we have to have powerlines?
P121	3	trees, snow	electric lines	
P122	3	The sky is blue and the trees look healthy	Looks like a place that has been messed up and not much fun to walk around in.	Probably no elk either.
P123	4	Same as previous scene.	Same as previous scene.	
P124	3	Trees and snow. At least the pylons are partially obscured by trees	pylons	
P125	3	The snow. The sky.	Not a very interesting picture.	
P126	5		Electric lines, but i dont mind them so much here	
P127	4	It reminds me of ski run. the sky is pretty, the snow is clean	the power lines and poles remind me of a ski lift, so they aren't as bothersome	
P128	4	The snow and the trees. The way the telephone lines shape the picture is cool too.	For some reason the telephone poles look like robots that are about to invade the land. Not appealing.	
P129	3	Snow, trees	power lines	
P130	3		The overhead wires make it feel claustrophobic when it should be wide open	
P131	3	snow, mountains	massive tangle of wires everywhere, avalanch danger from missing trees...	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P132	4	The snow, the trees, the sky.	The powerlines and their buzzing when I hike or ski under them.	
P133	2			
P134	2	snow piles	electric wiring	
P135	5	Very cool shot. Tracks along the foreground, everything looks really big because of the perspective, SNOW! Feels like a skiing trip.		
P136	5	interesting sky, contrast of trees, snow and sky	electric lines and frames, barren shrubs in foregrounds	
P137				
P138	4	Snow, blue sky.	Towers and lines.	Looks like I could x-country ski here, so not terrible.
P139	6	I like the swath cut through the forest. I can hear the area buzzing. Cool dichotomy of technology and nature.		
P140	4	Love the snow and the trees and sky. It reminds me, just a little, of skiing.	Again with the power-lines. So disruptive! Also since the area doesn't look entirely like it's a ski slope, the hill looks to man-made for my taste with the trees cut back so precisely	
P141	3	Nice contrast between snow, trees, and sky.	Again, lots of power lines.	
P142	4	Blue sky and pines.	Power lines	
P143				
P144	4	The snow	the ski-lift feel	
P145	3	Sky. Apparent depth of the snow.	Electrical wires.	
P146	2		It looks like the wires are about to fall on my head.	
P147	2		It is horrible to see the landscape perfectly lined out for power lines. Randomness is nature's best attribute.	
P148	2	Peaceful, snowy, makes me think of going skiing	Power lines again. Also the clearcut area for the power lines breaks up the trees and is disruptive.	
P149	2		looks like doomsday for some reason	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P150	4	as an image it seems funny with the power lines marching over the hill	powerlines marching over thehill	
P151	2			
P152	1	The cloud formations, but not the landscape.	It has lost its personality and the power structures have taken over with an emphasis.	
P153	4	white snow	those power lines should be ski lifts	
P154	1	Is this an avalanche?	Dito	
P155	4	The clouds are simply amazing.	It's discordant. The big blob of snow in the middle of the trees feels almost like some weird growth that doesn't belong there.	
P156	2			
P157	1	snow, trees	power lines	
P158	2	snow's pretty	trees are too dense, wires are ugly	
P159	1			
P160	4	Snow	Maybe could have been taken from another angle	
P161	3	Love the hillside ,snow and the blue sky	POWER LINES!!!!!!	
P162	3	Snow	Power lines	
P163	3	Snow build up is pretty	Power poles	
P164	3			
P165	2	snow		
P166	2	I love the trees and the mountains. The snow looks like great fun!	How the power line corridor has changed the landscape - allowing for drifting where the trees have been cut. I imagine the spring runoff here might be pretty interesting with no real vegetation to slow it down.	
P167	5	They sky against the trees and the hill	the power lines	
P168	4	snow and trees and a little hill.	power lines.	
P169	6	Hard Work done by others so we can have power.		
P170	2	Everything but the power lines.		
P171	4	snow is interesting with the trees behind	power lines	
P172	2	snow and contrast	wires are ugly	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P173	5	The trees, clouds and the snow	It looks cold and the woress	
			I wonder and why the field is bare, and those towers just dominate everything and draw my attention there, rather than to the landscape. Wonder is buried under that odd hillock of snow--it must be sturdy as there is a tower on it but it somehow looks unnatural and imposed.	
P174	1	Snow is white. Looks like a nice forest.		
P175	6			
		With all that snow and cold, I reminded to be grateful for the warmth electricity brings. The robot skeletons are morphing		
P176	4		Brrr. It's all about the power lines.	
P177				
P178				
P179	5	trees, snow	focus on the power lines	
P180	2	The ice clouds.	Feels cold.	
P181	2	snow, trees	power lines	pretty clouds
		Interesting perspective with all of the lines moving towards the vanishing point. I like the symmetry and balance of the lines. The contrast between the colors in the sky and clouds, the snow and the trees. The lack of people and buildings		
P182	4		Nothing	
P183	4			
P184	3		Power lines -- also not a very pretty scene.	
P185	4	Nice movement of wires through photo, gives feeling of energy.	Looks cold	
P186	2	Snow and evergreens.	Powerlines. Clear cut.	
		Oh, man, I really want to build a snow fort. Not under those power lines though.		
P187	3			

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P188	4			In & of itself, this scene wouldn't elicit any strong reactions but after seeing so many towers, I can't help but wish there were fewer in this scene.
P189	3	Trees, hills, blue sky.	The amount of powerlines overhead feels like the sky is crowded.	
P190	4	Giant snow hill! It's cool how it's nested between trees	The power-lines on the left-hand side	
P191	2	The snow and the trees looks fine.	The power lines and towers. They detract the lovely winter scene.	
P192	3			
P193	4			
P194	2			
P195				
P196	2	There are lots of trees.	Snow. I grew up around snow and I'm tired of it.	
P197	4	Great image of the snow and the trees. It's liked the prettied up image of a post-avalanche event. Man vs Nature: Mother Nature wins.	A bit redundant in my comments, but the number of power towers and wires.	
P198				
P199	1	The snow and trees.	The large power lines and structures.	
P200	2	snow, trees	power lines	doesn't "speak" to me as a place I'd like to visit
P201	4	snow	power lines	
P202	3	Trees & snow.	Power lines.	
P203	5			
P204	3			
P205	3			
P206	4	snow...contrast of sky, wires, snow		
P207	4	snow, blue sky, trees, interesting topography	powerlines,	
P208	1	Just get me out from under these wires, please.	The scar-like nature of the cut is very visible here.	
P209	3	Sky. Snow. Trees	Power lines.	
P210	3	Trees	Snow & wires	

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P211	4	Nice snowy scene.	Not the most interesting view again, the powerlines aren't quite as graceful as say a ski lift.	
P212	2		Clearcut landscape below lines, although I understand that it's necessary for maintenance and access.	
P213	4	The snow. The dark trees to either side of the right-of-way implies to me that this is in the middle of an expansive, undeveloped forest.	It's still a right-of-way under powerlines. Beneath that pretty snow, it's probably just weedy mowed grass.	
P214	1	blue sky	clear cuts, and power lines.	
P215	6	snow scene	power lines	
P216	4	good contrast between light and dark features	because of perspective eyes are drawn to the ugly power lines.	
P217	2	the natural features	the telephone wires	
P218	1		powerlines	
P219	6	so much snow, and the sky is lovely	i like it all	
P220	5	snow, trees	the grid	
P221	4			
P222	2	snow!	even though they are not as busy as the one before, still seems too many of them going OVER THE HEAD.	
P223	1	not too much	feels like you're surrounded by powerlines	
P224	3		Power lines.	
P225	1			
P226	4	Its a better photo (sorry, can't help myself. nice contrast. Kind of works in a weird way	it isn't really a photo of anything	
P227	1	power is going somewhere to some place that uses it. plus some snow lovers have had fun in it	it's a bizarre photo and probably says a lot about man's hunger for power regardless. I'm sure there is little improvement in the summer view.	I used to make tracks in new snow with cross country skiis, sigh!
P228	3	snow and trees	the wires and pylons	
P229	4	the snow is pretty.		

Survey Participant	Rate Scene 13	LIKE about Scene 13?	DISLIKE about Scene 13?	Additional Comments on Scene 13
P230	4	It reminds me of an area in so NH where I used to cross-country ski in the winter.	These are a lot of power line grids.	

SURVEY RESPONSES FOR SCENE 14

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P1	3	The flatness.	The power lines.	At least the lines are interesting to look at, sort of.
P2		everything in the above	the stanchions. less elegant than before. and that guidepost still bugs	
P3	2			the immense scale of the natural desert setting is not overpowered by the power poles.
P4	4	The curve of the road.	The scrub brush.	
P5				
P6				
P7	2	Open space...lack of people and buildings.	powerlines	
P8				
P9	3	graslands	powerlines and road even as it curves	getting tired of the survey
P10	5	You can see through the power lines to the landscape	Power lines	
P11				
P12	4	Very clear day.	Land looks wasteful.	
P13	3	I love the natural vista and the idea of racing down the road.	BIG transmission lines. Cumbersome and "heavy duty".	
P14	3	Wide open spaces.	Power lines are ugly, but at least it's only one line instead of tons.	
P15	3	The shrublands.	The road and large powerlines are very visually dominant and break up the visual appeal of the shrublands.	
P16	3	Open sky, desert landscape	road and power line	
P17	2	the vista	power lines	
P18	2		power cords, road	
P19	3	The texture	the power lines	
P20	2	grasses	power lines	like scene 9 but with bigger power lines
P21	2		same as before	
P22				
P23	1	Nothing	Flat, no trees, lines	
P24	1		asphalt and transmission lines	transmission lines really detract from any natural beauty

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P25	2	Interesting shades of brown - nice contrast to the sky	The power lines	
P26	2	same as scene 9	same as scene 9	
P27				
P28	2	SEE #9	SEE #9	
P29	1		road, powerlines	
P30	2	Open sky, variety textures,curving road.	The power structures are the only vertical feature, seeming to go on forever. These are more dominant than the ones in Scene 9.	
P31	3	The road	I like these power lines less because the structure is not as simple as others. It looks very overpowering. Pun not intended.	
P32	3	The color of the sagebrush/grass	The power structures seem very imposing and large.	
P33	1	BORING	WHAT IS WITH THE WIRES AND REPITITION	
P34	2	not much	brown scrubby landscape	
P35	4	The sky	The road and power lines	
P36	1	As earlier.	Ad earlier. More weird power lines.	
P37	2			
P38	2	how it's rural, and the plants	the powerlines	these powerlines are more offensive
P39	1	same as scene 9	same as scene 9	
P40	3	wide open feel	wires	
P41	1			
P42	4			
P43	1	Not a whole lot.	Weird looking power lines. Again looks like alien invasion.	
P44	3	desert scene, curve in road	power lines, road	
P45				
P46	3	I like the road curving	I don't like how the electric poles are positioned	
P47		Feel the same as I did in scene 9		
P48	3		Even though you can't see the power lines (could be the light), the poles are awful	

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P49	2	same as before	the towers seem really really large/heavy for the scale of the road and the shrub-steppe foliage. overpowering	the rhythm off into the distance is still interesting. better looking much further away than up close.
P50	2		same photo but with wires interrupting the view.	
P51	3	sage country is beautiful	liked the other power lines better - these are out of scale with the landscape and enforce the monotony but without the nostalgic charm of the older lines.	
P52	2	nice flat landscape where you can see really far. I like the colors and uniqueness of the plants. Road is only 2-lane promoting slower and less traffic. Transmission lines are along an already-established and disturbed corridor and not through a natural area with nothing else on it disturbed.	Looks a little dead (droughty), and there is significant infrastructure with the entire photo dominated by the road. Transmission lines cut across the photo and the landscape. Transmission lines do not appear to be able to be offer nesting or prey observation for raptors	
P53	3	The same as scene 9.	The same as scene 9.	
P54	4	Looks like Lightening McQueen will drive by...	Are you just messing with me now? Those things have both arms AND legs. And also, no one straightened that rod.	
P55				
P56	1			
P57	1	the sky	the metal monstrosities dominant the landscape. You hardly notice the sky or shrub	
P58	3	Blue sky and rolling landscape, texture of plants and fields.	Power lines and poles	
P59	3			
P60	3			
P61	3	Nice desert vista, curving road.	Really ugly power lines and poles.	
P62	5	desert <3 travel		
P63	3	The road isn't great but it gives a sense of going someplace	powerlines, roads, and brown everywhere!	

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P64	1	Nothing.	The power lines in this scene are even worse than the previous picture. They are too large for the vista.	
P65	4			
P66	3	Same as above in scene 9.	The larger lines disrupt the scene.	I like the other powerlines better.
P67	1	The open sky is most appealing in this scene.	In general lower, less differentiated landscapes are less appealing to me than Pacific Northwest mixed temperate forests. The utility lines and the reflective marker at left detract from this scene. The utility tower structures contribute an overwhelming quality to this scene as well. (Also, the picture seems to be taken from the wrong side of the road--slightly disorientating).	
P68	1	I like the golden tones.	Those towers look like they could fold up.	
P69	3	sunny sky. open plains....	powerlines...	
P70	2	Scrub brush, minimal development.	Powerlines, powerlines.... they do seem to at least track along the road, where the landscape has already been disturbed.	
P71		blue sky	contrail, pavement, BLM 'feel' to land ... grazed. power lines ... more intrusive powerlines that single pole.	
P72	3	the wide open space	The power poles/lines	This style of power pole is much more intrusive on the landscape.
P73	3		The other style disappeared into the landscape a little better.	
P74	4	Open space, blue sky, well maintained highway.	Maybe another at least the powerlines are in a more desolate space.	
P75	3	patches of native shrub steppe habitat	broken patches of habitat created by road, fields, power lines	

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P76	3	The power lines look a little less conspicuous. Seems like a good place to put them since people wont necessarily want to be here.	Inhospitable to people.	
P77	2	oh come on	same as previous shot with different power lines	
P78	2	rich colors	too many powerline tower, which are also too big for the landscape	
P79	2	nice weather	powerlines, road	
P80	4	still like the curve of the road	power lines (different than before)	
P81	2			
P82	4			
P83	4			
P84	2			another duplicate...
P85	2			
P86	2	This is the same as scene 9, but with modern high-voltage lines replacing the old wooden poles. Spoils the whole feel.	The high voltage lines.	
P87	2	the flatness	the powerlines do not seem to match the image and look like they are about to fall over.	
P88	3	starting to feel quite a theme here :) curvy road, vegetation	power lines, flatness	
P89	1		powerlines.	
P90	1	not much	it's worse than scene 9	
P91	3			
P92	1	The road is inviting (for Nevada)	But don't put these up alongside the road!	
P93	1	nothing	power lines, dead grass	
P94	4	Single line of towers is more acceptable when compared to the previous scenes where they are all over the place. Same shape is better too.	Metal giants.	
P95	2	Nature.	Supporting structures.	
P96	6	See response to Scene 12	Jeez your Photoshop guy could have at least pasted the powerlines in straight.	

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P97	1	sky	powerlines	
P98	2	road trip	huge powerlines	
P99	2	Openness	Power lines.	
P100	3	The open sky and road.	It is very similar to Scene 12, but with more obtrusive power lines.	
P101	1		I still hate this scenery. Please see other comments. lck.	
P102	3	scrub shrub	powerlines	
P103		colors	power lines	
P104		Same comments as photo #9	You can't make a photo any better by changing the objects. The only enhancement you could make here would be an old dry and dusting farm building with a tumbled down fence.	
P105	2	The tilted aspect of the electrical poles.	Everything else.	
P106	2		Ok if you are writing about electricity.	
P107	2	the plans and the brown grass	the road and the power lines	
P108	6			
P109	2		Ugly power lines.	
P110	3	sagebrush country, the openness, the sense of movement provided by the road	power lines	These are lower and all identical--less interesting than some others.
P111	1	Open space.	Power lines.	
P112	4	The vista to the distance	The poles call attention to themselves because of their size and regular spacing.	The poles take away the otherwise great feeling of "The Lonesome Prairie"
P113				
P114	2	as noted before- at least here the power poles look different	as noted before	
P115				
P116	1			
P117	3	the landscape around the road	the powerline is too intrusive, as usual	
P118	4	desert is pretty	I think the power lines look more intrusive here- they are bulky and don't provide verticality but take up much more space. they also look like they could be harmful to animals (electrify!)	didn't we just see this scene?

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P119	2	Openness; lack of development; colors; well-maintained and constructed road.	Modern powerlines look monstrous compared to the simpler, older style.	Maybe these powerlines are of higher capacity for larger urban cities so they are useful and apparently are in a rural location with less human activity to interfere.
P120	4	powerline scaffolding blends in below horizon.	the lines still interrupt the sky	I think I like these better than the solid poles, but I dont know why. perhaps it is the metal blending with the sub-horizon.
P121	1	nothing	everything	
P122	3	Ref scenes 9 and 12	Ref scenes 9 and 12	Probably some coyotes to hunt
P123	3	Same.	Same.	
P124	2	open space	pylons	
P125	3	It's a clear day.	Looks like some highway in the desert. If I was driving on this highway, I would get really sleepy as there is nothing in the landscape to peek my interest.	
P126	3		cell phone lines	
P127	3	I like the rust color of the grasses and the sense of space, and blue sky	UGLY power poles	
P128	2	The vegetation, the road	The telephone poles are UGLY	
P129	3	grasses	road, power lines	
P130	2		Big, ugly towers	
P131	3	desert	massive transmission lines	
P132	4	Colors, textures, big sky.	Powerlines	
P133	1			
P134	2	blackness of the highway	electric wiring	repeat of earlier one like the last few have been
P135	1		The towers look fake, it's hard to focus on anything else.	
P136				Isn't this the same as scene 9?
P137				
P138	5	Pretty landscape	Road, towers.	Towers are obviously more detracting than poles in previous scene.

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P139	6	Same comments as similar scene with smaller towers. At least they didn't put towers all over the place like the other photo. May as well keep the road and towers together to have a lesser impact on the natural area and the road makes it easier access to the towers.		
P140	3	Like the desert terrain with the bend in the road to....wherever!	The power-lines in the last scene were WAY better; these are too bulky and repetitive.	
P141	3	Nice open landscape. Reminds me of a nice, high desert road.	Powerlines are bigger than previous, similar picture.	
P142	1	Not much	Boring, desolate, dry, powerlines	
P143				
P144	1	not much	photo looks unnatural and not real	
P145	2	Reddish colors on both sides of the road.	Electrical wires.	
P146	4		It kind of looks like the wires are dominating.	
P147	2			
P148	2	See #12 - I feel the same about this	See #12	
P149	3	the road, landscape, and transformers.	i don't care for this style of transformer in this context. to exact of repetition.	
P150	2	road movement through the scrub	honking power lines	
P151	1			
P152	1	The landscape has a subtle beauty (and sunshine).	The landscape subtlety is lost with the prominent power structures.	Positioning the asphalt road in the center doesn't help, but this is the common view of the viewers.
P153	5	the curve in the road	power lines	
P154	3	Wide open spaces.	Could be boring.	
P155	4	Same stuff as before.	The power line thingies are different and it really stands out. Simply..icky. They really screw up the flow of this scene to my eye.	
P156	2			
P157	3	openess	power lines	
P158	2		still dont like the desert	

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P159	1			you've ruined my high plains drive!
P160	3		Boring	
P161	2	Same as before. .. quiet remote	Even though they appear differently.....THEY'RE STILL UGLY!!!	
P162	3	Vegetation	No subject	
P163	2		larger power poles	
P164	3			
P165	6	open		
P166		Ditto the above - saw this one before...	Still don't like it... see previous comments...	
P167	5	The vastness of the sky	the power lines	
P168	2		too flat, brown, and too many power lines.	
P169		Already did.		
P170				
P171	3	road and vegetaion	road post and power lines	
P172	2	high proportion of sky	wires	
P173	4	The openness and freedom	The wires	
P174		Reminder of desert drives. Well maintained road.	For some illogical reason, those tilting towers make me nervous--and they seem very, very obtrusive.	
P175	5		Isn't this the same as Scene 9?	
P176	5	Still a great sweeping curve. These more graceful power poles (?) don't break up the scene as much as the narrow, straight, dark ones did. There's a story for these towers, too.	They still break up a great road scene	
P177				
P178				
P179	5	nature scene, I like this type of scenery	the power lines don't look right - for the distance they appear to be at, they are the wrong proportion	
P180	3	Big sky	Highway	
P181	2	Road is going somewhere better.	flat! power lines	at least the power lines are near the road and, hopefully, not marring the rest of the land

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P182	2		The towers are tilted at an odd angle. They look they are about to fall over.	
P183	3			
P184	2		UGH! Road and power lines!	
P185	3			Same shot, different pylons
P186	2	Sagebrush.	Large power lines prominent on the landscape.	
P187	2		Really barren.	This looks like a previous scene, but this time the power lines are more intrusive.
P188	2			The towers in Scene 9 are much less ugly & obtrusive.
P189	4	Similar to scene 9	More intrusive powerlines.	
P190	5	Desert, power lines aren't too obtrusive to scenery		
P191	2	The far off vista.	The towers are really distracting and junky looking.	
P192	3			
P193	2			
P194	2			
P195				
P196	1	I like the flat openness and the sense of large space.	The style of power lines doesn't go with the landscape at all. The other "version" of this picture was way better, the old-style wooden poles blended in a lot better and were more classic/American.	
P197	3	n/a	n/a	Indifference. I do question the presence of the orange reflectors on the left side of the road.
P198				
P199	1	the flat earth and desert plants.	The power structures.	
P200	1	blue sky	everything else, especially power/phone lines, road and flat landscape	
P201	1	not much	brown, power lines	
P202	3	Desert scenery.	Power lines.	

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P203	4			
P204	4			
P205	3			
P206	2	curve, exact repetition of electric poles is better than previous version	perspective sees off.	
P207	1			powerlines are VERY noticable
P208		I did like the curve....but the enhanced structures are hideous....	The enhanced structures.	
P209	2	Quiet. Peaceful.	Barren. Desert. Power lines.	
P210	4	Open	Road, dry, wires	
P211	2	Same as before	Those towers are way more intrusive than the others. Like an army.	
P212	5	Curve of two lane road, again traced by powers. From this angle the towers don't look so out of scale.	Desolate landscape.	
P213	4	Same as scene 9.	The powerlines here are slightly more obtrusive than the ones in scene 9. I like them less.	
P214	3	It looks like a mirror scene from the circus. Also, cool colors from plants and the earth. Great lines.	the crooked road side markers	
P215	4	desert landscape	power lines	
P216	4	Again the curve adds to the picture	Those power lines now look like they are tilting which is another distraction.	
P217	2	the natural features	the wires	
P218	3	curve of road and sage brush	don't like the revised power towers	
P219	5	reminiscent of road trip (again)	can't think of anything	
P220	5	wide open	brown, grid	
P221	4			
P222	2	towers are aligned with the road	are they leaning left? a little too 'mechanical' for the scenery.	
P223	2	colors and textures	powerlines and road	
P224	4	Lots of open space to hike in.	Power lines	
P225	1			

Survey Participant	Rate Scene 14	LIKE about Scene 14?	DISLIKE about Scene 14?	Additional Comments on Scene 14
P226	4	saw this before with regular poles - these aren't really much worse. The curve makes it interesting	poles, and its not got a subject	
P227	2	bigger lines carry more power therefore fewer towers	now I count cross-eyed, and it is still a very dreary habitat I gather some wildlife might like	
P228	3			
P229	3		these poles are less pleasing, look askew or something	
P230	4	Reminds me of trips I used to take from so CA to Laughlin and Las Vegas.	The number and size of the "towers".	

SURVEY RESPONSES FOR SCENE 15

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P1	1	Trees and snow.	power lines.	That seems a bit much, don't you think?
P2		the curve of the road against the slight curve of the wires. the 1/3s composition	the destroyed hillside, the harsh shadows,	
P3	2			
P4	6	The trees.	The cars.	
P5	1			
P6				
P7	3	Mountains/hills, trees and snow showing off the beauty of Mother Nature.	The invasion of civilization, cars, roads, powerlines.	
P8		Reminds me of driving back to where I grew up.		
P9	3	snow, sky, mountains	logged areas, road, powerlines	
P10	4	I love nature	Power lines distract	
P11		The trees along the freeway.	The missing trees from the mountains in the background - the above ground power lines.	
P12				
P13	2	Like how the road slopes up and is topped off by trees. Makes the road seem more scenic.	Feel trapped underneath lines, like my car is going to drive right into them.	
P14	2	Ridge in the distance is pretty.	Too many power lines right over the road.	
P15	2	It's in a relatively pretty area.	The highway and many, many large powerlines very much take away from the natural appeal of this area, almost so that you don't notice it. On the same token, however, you expect this kind of development along highways, so it's also easy to not notice the powerlines, if that makes any sense.	
P16	2	hills look like they'd be fun to walk on	road and power line	
P17	2	the sky	again power lines	
P18	2		power cords, road	
P19	2		I don't like power lines over the road.	

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P20	1	snow, trees, sun	power lines, cars, road	
P21	1		WIRES!!!:(
P22				
P23	2	Scene in back	Lines, road, cars	
P24	1		asphalt and transmission lines (too many, and the tower design is a real eyesore)	
P25	1	Nothing, really.	How many wires need to be strung across the freeway? I don't like freeways to begin with.	
P26	2	curved road	transmission lines	
P27	2	trees on the right	average everyday shot phone lines towers cars	
P28	1	love the mountains	the powerlines running across the highway	
P29	1		road, powerlines	
P30	3	Curving road, visual variety, sky	Large power structures dominate	Can't decide if the power lines help or hurt here; in a weird way, they almost look like suspension wires holding the scene together on a dicey curve. Could use some strong verticals on the left to distract, and to make the cliff side feel safer.
P31	4	The layered hill in the background.	To many wires.	
P32	1	Blue sky and sunshine	The drape of the lines almost makes it feel as though they're going to fall on you.	
P33	1	NOTHING	HITHWAY AND WIRES	
P34	4	trees, blue sky, snow covered hills	power lines	
P35	4	The trees, snow, and sky	The power lines and road	
P36	3	Clear blue sky with wispy clouds, trees and dusting of snow.	Feels like a ceiling of power lines. Worry about radiation.	
P37	2			
P38	2	The trees	the powerlines and how many of them there are	

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P39	1	similar to scene 7, dark green evergreen trees, jet lines in the sky making a perfect X	the cars, power lines, not enough snow on the hillside	
P40	3	trees	low hanging wires	
P41	1			
P42	3			
P43	1	Nothing.	There are millions of wires hanging over my head! Yikes! Almost feels like I'm looking indoors rather than outdoors.	
P44		snow, hills, trees	power lines, road, cars	
P45				
P46	1	the trees & mountain views	way too many electric lines & I don't like the cars	
P47	4	Major city is just 40 miles up	Traffic	
P48	1		This is incredible. Power lines!	Where is this?
P49	2	meh. not much. the spotting of trees is nice and the dusting of snow. the tree shadows in the foreground.	so many lines of the road is almost a little scary. like, "is it safe to drive under all that electricity?" too many different kinds of towers. lines look too low to the ground, maybe.	that said, i also tried to imagine that the lines were from an architectural or art piece... NOT attached to towers... and that seemed kind of cool/pretty.... giving a "ceiling" to the road right there
P50	1		wires. UGH.	
P51	2	it is a sort of productive landscape- as it transports and distributes a large quantity of power and goods	visually it appears very altered and bisected	
P52	1	the pine trees and snow on the right; open sky	huge amounts of transmission lines and other infrastructure; scene is mostly road and cars	
P53	5	I like the dark trees, snow, blue sky, and clouds	I don't like the wires.	
P54	2	That the power lines only stretch across a short section of pavement.	They're too low. It's like a Sleestack trawling net.	
P55				
P56	1			

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P57	1	topography and trees	T=So many wires, to whom do they serve? They are only function for someone, and you don't see what beauty is beyond them.	
P58	2	Hills, snow and trees.	power lines and poles.	
P59	3		Too many power lines!	
P60	2			
P61	2	Some natural landscape in the background.	The gazillion ugly power lines and the highway.	
P62	4	trees, sky	Driving in traffic	
P63	2	trees a bit any way	The road, the cars, the powerlines. The scene is just totally broken by all that clutter.	
P64	3	Pretty vista.	too many power lines.	
P65	3	Trees and snow	Overpowered by many power lines.	
P66	3	The road is taking me out of the city.	The overhanging wires make me feel trapped.	I've driven this route a few times.
P67		The conifers at right and tiled throughout this landscape are most prominent.	The utility lines and tower structures contribute an overwhelming and discomforting quality to this scene.	
P68	1	I like the alpine feeling.	Too many wires.	
P69	1	sunny sky.	powerlines take up more than half the photo...	
P70	1	snow and trees.	Hilarious. It's like someone was trying to see how wasteful they could be with powerlines. it's so intrusive on the scenery!	
P71	2	uh ... hillside, blue, open sky?	powerlines, road, contrails	
P72	2	open space	the first thing ou noticeare all the power lines overhead.	
P73	3	Evidence of harvest, seed trees, roadside drainage, wide shoulder.	Monoculture, power lines seem to be hung low.	
P74	3	Blue sky, trees, well maintained highway.	Powerlines that may be emanating cancer causing electro-magnetic waves.	
P75	2	far hills look ok	power lines, large highway	

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P76	2	Trees and snow.	Power lines are overwhelming the experience.	
P77	1	land	power lines and highway	
P78	2		the lines over the highway feel unsafe and are distracting	
P79	2	type of landscape	powerlines, road, cars	
P80	4	sky color	power lines and autos	
P81	2			
P82	2			
P83	3			
P84	2	Great scenery if you remove the highway and power lines.		
P85	1			
P86	1	Not much.	Power lines, road - not much wilderness here.	
P87	1	nothing	too many power lines!!	
P88	4	hills, trees, snow	power lines, highway, cars, unnatural grading	
P89	1		powerlines.	
P90	2	the mtns	again the power lines	
P91	5			
P92	2	Sky, snow and trees	Awful, random, numerous lines. Looks like they were put up with decades in between. Can't they be combined?	
P93	2	snowy hillside	power lines, roads, cars	
P94	3		So many lines in the sky.	Again the road idea, I guess you just drive right past them without really noticing.
P95	1	Not much.	Who came down and dropped all those lines? How ugly	
P96		The marvellous appearance of a massive web of overhead powerlines. Viva Photoshop	This reminds me that radio reception in this part the State is generally poor. That many overhead powerlines would mean that my sketchy AM radio reception would be non-existent and I may miss a crucial set of downs in a Husky football game.	

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P97	1	trees	powerlines	
P98	3	hills	boring road, too many cables	
P99	2	The trees.	Power lines.	
P100	3	The sky and the trees.	Tons of power lines.	
P101	3	Pretty! I'd like to drive there, also.	Again with the electric wires.	
P102	3	snow	powerlines	
P103	2	trees, snow, mountains in background	power lines, roadway, cars	
P104	2	Pass	Not much you can do here in the way of landscaping, except dig up road and tear down the power lines and plant trees.	
P105	4	The trees and hills.	The cars.	
P106	2		Way too many lines.	If we are going to have electricity, we have to put the towers and lines somewhere.
P107	2	the trees	the power lines and poles the cars and the road	
P108	6			
P109	2		Too many power cables.	
P110	2	The hills in the distance look nice	The cars, the powerlines, the swath of highway related landscape.	The lines over the highway feel a little threatening--they cover a wide band
P111	1	Trees.	Power lines.	
P112	2	At least there are no buildings	Poles, scraggly vegetation on hills, highway. It's boring!	
P113				
P114	3	again at least there are some trees and it's not just flat and bare	the combination of man-made roads and power lines certainly detracts from any natural features	
P115				
P116	1			
P117	1	the trees	the roadway and the sky filled with powerlines	
P118	2	pretty trees, but cleared area all around	whoah there power lines! there are so many!! highway super intrusive	

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P119	1	uncongested freeway	From top to bottom: contrails criss-crossing the sky; lots of high tension wires over a freeway; clearing of a forest; a freeway in forested mountains.	
P120	2	horizon and trees would make it a pleasure to drive here and enjoy the landscape. At least the power poles are set back from the road and do not follow it so they would come and go and dissolve away as one drives.	blanket of powerlines	
P121	4	trees and snow	road, cars and electric wires	
P122	3	Good looking road	looks harsh but the sky is blue.	As good a place as any for power towers
P123	3	Natural beauty surrounding the scourges of the country.	Asphalt and wire.	It all shows what we sacrifice for the sake of convenience.
P124	2	There are a few trees left	most of the trees have been removed. Also pylons	
P125	2	Open sky. The trees.	The hill is an eyesore. It's been cleared and looks sparse and empty. Would look much better with more trees.	
P126	3		dude why so many electric and phone lines?	
P127	3	sky, trees	So many power lines in the sky that I barely notice the cars and road which might normally bother me.	
P128	3	The trees and snow on the right, the mountains in the back.	The telephone poles are ugly. The cars aren't great either, although it does remind me of trips to the snow when I was little.	
P129	1	trees	road, power lines	
P130	2		Way too many wires	
P131		mountains	powerlines, freeway	
P132	4	The hills, snow, trees, and sky.	The powerlines.	
P133	3			
P134		nothing	wiring	

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P135	5	Contrast of dark and light, adventure of the road	Spotted snow	
P136	3	blue sky, contrast of dark trees against sky and snow	electric lines and cars	
P137				
P138	3	Blue sky.	The endless powerlines nearly completely detract from the scenery.	
P139	6	It's like the cars are under a roof.		
P140	4	The lightly snow-covered hills, the pine trees, and blue sky	WAY too many wires.	I'm more used to seeing wires like this when driving (like the folks in this scene) rather than hiking, for example, but they are still ugly.
P141	3	nice mountainous feel.	Interstate, cars, and powerlines detract from the scene.	
P142	3	Pines, snow	Powerlines	
P143				
P144	1	the blue sky	the power lines - they completely ruin this photo	
P145	1	Sun and shadow.	Wires!	
P146	2		Again, there are too many wires.	
P147	1		Hard to see any landscape.	
P148	1	Hard to come up with anything here.	Power lines and road/cars dominate with a constant and intrusive human presence that makes the scene almost entirely unpleasant	
P149	4	power line pattern overhead.	power line pattern overhead.	
P150	1	don't like much at all	obviously the power lines and the spaghetti of wire	
P151	2			
P152	2	The landscape and trees are OK.	It is hard to enjoy the view with the power structures and other human presence in the scene.	
P153	5	I feel like I have been on this road, it feels familiar	power lines!!	
P154	3	Blue Shadows.	Power Poles.	
P155	3	The sky and the light dusting of snow. Even the contrails a little bit.	Holy frickin power lines! Yuck.	

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P156	1			
P157	2	feels like you're going somewhere fun	cars, big road, power lines	
P158	1	I like trees	doesn't look safe with all of those wires over head, looks like a transport vehicle would rip them down and cause a lot of damage. And they are ugly	
P159	1			NOOOOOO!!!!
P160	4	Makes me want to go too	Wires	
P161	3	Blue sky , snow on the hillside, clusters of trees.	Two words power lines!!	
P162	3	Nice hillside	Cluttered by power lines	
P163	3		Power poles	
P164	3			
P165	1			don't usually pay attention, but now that you call attention to it...
P166	2	Some sense of outdoor space...	Looks like the opposite hill has been clear cut, and the power lines and highways really offend me. Too much "footprint" on the landscape.	
P167	3	The sky is nice with the trees	Here the power lines really distract from the view	
P168			way too many power lines.	
P169	6	Love it. Going East to somewhere different!		
P170				
P171		sun on the snow on the hills and the trees	power lines	
P172		colors, snow and trees	cars and wires	
P173	5	Going home	The wires	
P174	2	Well maintained road. Some nice trees that look as if they may have been there for at least a little bit.	I do not like driving under power lines and there seems to be meaningless infinity of them stretching into the horizon. In this landscape, the road, the tower, the lines are all one sees. And, I could see that in the city!	
P175	6			

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P176	2	Great trees standing out from the forest	What would be at least pretty, despite the roadway and vehicles is made ugly by the power lines.	
P177				
P178				
P179	2	trees, snow	too much focus on cars and power lines; also, picture is too busy, too many things in the photo	
P180	3	Big sky, blue	not much	
P181	1	snow	power lines	looks like the net on those outdoor aviaries at the zoo--nothing like feeling trapped inside
P182	2		Too many overhead wires and they are hanging too low. Some do not appear to be connected to anything. They look like they could fall on the road at any time	
P183	2			
P184	2		Power lines, cars & road.	
P185	4	Power lines give a sense of movement through the scene	Looks like a cold day	
P186	2	Snow.	Clearcut. Power lines.	The American life. Cars. Electricity.
P187	3	A fairly scenic highway.	Wow, what a lot of power lines!	
P188	4			This scene doesn't elicit any strong reactions.
P189	3	Scenery.	The number of lines overhead feels like you are under a net.	
P190	3	Trees, snow	Feels like there is a net above the road	
P191	2	The hill and the trees.	The many lines hanging over the road as well and the towers.	
P192	2			
P193	1		Traffic	
P194	2			
P195				

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P196	2	I like the trees and the hills.	I don't like the power lines going across the road like that, it's kind of unnerving and more visually distracting than power lines running parallel to the road. The trees are also sparse.	
P197	3	A nice day with clear blue skys.	The number of wires in the sky.	Aside from the number of wires in the sky, looks like a typical communte eastbound in Washington.
P198				
P199	1	The snow and trees.	The huge power lines and huge power towers.	
P200	3	hills and trees	nothing "eye-catching" about this one	
P201	1	not much	all the power lines	
P202	2	Trees & snow.	Power lines.	
P203	5	going skiing		
P204	3			
P205	3			
P206	4	symmetry....seems interesting...snow		
P207	1			I hope to never see this many line draped across the sky
P208	1	The thought that you can get past this horror quickly...	The intrusion of the wires and towers, of course. And the absence of any suggestion of how a landscape architect might rectify or remedy the situation.....it needs help!	
P209	3	No traffic. Quiet drive. Trees.	Power lines.	
P210	3	Clear sky	Road & wires	
P211	2	Snow, mountains trees etc.	If I was driving through there I'd be freaked out by all those lines and wonder WTF was going on.	
P212	2	Big open sky	Too many power lines.	

Survey Participant	Rate Scene 15	LIKE about Scene 15?	DISLIKE about Scene 15?	Additional Comments on Scene 15
P213	3	Big trees, snow.	The cars in the picture really bring home that this is a highway, and the powerlines are overbearing. Not a lot of undeveloped land here, and the big trees seem squeezed in between cars and powerlines.	
P214	2	blue sky, and tree silhouettes	power lines.	
P215	5	snow on hills	power lines	
P216	4	the scenery is pretty BUT	those lines in the center of the picture are the first thing one sees and not the trees and hills or snow	
P217	2	the natural features	the wires	
P218	2	trees	powerlines	
P219	4	snow	cars	
P220	6	snow, trees	the grid	
P221	4			
P222	1	nothing really.	overhead electric lines... so many of them.	
P223	2	snow, trees	powerlines predominant	
P224	3		Power lines and highway.	
P225	1			
P226	3	Lines	Lines	
P227	1	people are going somewhere and likely not paying too much attention to lines and bare looking hills	I don't have any answers, but i'm sure aware of all the energy going somewhere but leaving a messy land surface	am I willing to pay more, a lot more, to have lines dug for underground, I really can't say yes with enthusiasm
P228	2		the wires and pylons	
P229				
P230	2		This is not real. Is there ever a spot with this many power lines!?	

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P1	Yes. I live rurally, and find that power lines are a visual nuisance. I understand that we need power, but figure we can find a way to meet the need without destroying the beauty around us.
P2	yes. yes. i saw them as a necessary evil: sculptures on the landscape and tried to view them that way.
P3	
P4	Yes. I find the power lines interesting. The engineering involved, the linear motion through the landscape.
P5	Yes, I feel like i'm not allowed in those places. they also make me feel less off the beaten path.
P6	
P7	Yes, they separate the landscape and take away from the natural beauty of the land.
P8	Yes, and no
P9	yes- I don't like them- they are not well positioned in the skyline
P10	Absolutely!!!
P11	Rarely.
P12	1. Yes 2. Sometimes they seem worse than other times.
P13	Only the large power lines. They often seem obviously out of place and I'm not particularly fond of being near them. The larger they are, and the more dense together, the more they seem to interfere with my perception of being in a rural area.
P14	Yes to both. They tend to make wide-open spaces look cluttered, or detract from ridgelines. I hate seeing big swaths cut through forests, though I understand it's necessary for safety.
P15	Yes I notice them, but I suppose I expect to see them, so when I do see them, unless it's a huge amount of very large ones, I don't specifically notice them. I'm more likely to notice a pretty landscape without powerlines and notice how beautiful it is, although the fact that it's without powerlines probably doesn't consciously come to mind.
P16	Yes. I notice them when there are big cuts through trees or other signs of altering the landscape to make way for the power line. I also don't like walking near or under power lines
P17	They are ugly and they hum makes you think they are somehow alive
P18	
P19	I often notice large power lines. In certain situations, I think that they look interesting. However, the majority of the time they distract from the view.
P20	yes I notice power lines in the landscape. Yes i feel that the affect my visual experience.
P21	
P22	Yes. It's taking away from it being undisturbed and a feeling of uncharted territory
P23	Yes, yes they are ugly
P24	Yes. Blocking the view or ruining what could've been a great photo.
P25	I do notice power lines. The larger they are, the more they interfere with the natural surroundings. I also hate the big swath of trees that are removed to accommodate the power lines - it looks like a big scar in the landscape.
P26	Yes, they are everywhere and create straight lines in the landscape that are out of place and disharmonious to the viewer who is looking for wilderness
P27	no not til I saw and commented on the lines in these pictures
P28	Yes I certainly notice them. I think they greatly affect how I experience, "the great outdoors". I have been fortunate enough to spend considerable time in a State that did not allow heavy powerline so close to highways and communal centers. I find it has affected where I choose to have outdoor experiences.
P29	I notice them, usually they're when we're driving and I don't expect great landscapes when driving anyway.

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P30	Yes, I often feel they detract from the natural beauty I could be appreciating, and inject an unwelcome technological note. They are the 100-lb. gorilla in the landscape - I have to consciously try to erase them mentally. Some of the larger structures look like they could become like the overscale robots in the "Terminator" or "Star Wars" movies - very offputting, to say the least.
P31	Yes, I do notice them. Yes, they do effect the experience. However, done right I think their is a certain pleasure in seeing technology and nature merge. Again, it has to be done carefully or organically over time.
P32	Yes, I notice large power lines all the time as I spend a lot of time traveling in and around Eastern Washington. Since the landscape is at times so flat and you can see so far in the usually clear weather, the power lines are very visible against the landscape. The exceptionally large power poles with lots of lines on them are especially noticeable. If you're right underneath them it can also be a little unnerving to have such large structures running overhead.
P33	YES TAKES AWAY FROM NATURE
P34	yes and also phone lines--underground lines are a plus, but not practical for high power--we depend on power and the lines have to go somewhere
P35	Yes. The power lines interfere with the beauty of the natural landscape.
P36	Occasionally. They feel intrusive, industrial, and like encroaching civilization.
P37	Absolutely. It often seems as though I can't find a viewpoint where these lines are not in my field of view. When I am looking around outside, I am generally looking for the natural beauty of the area, and get annoyed when I am distracted by poles and wires.
P38	Yes, I notice the power lines in the landscape. Yes, I feel that they negatively affect the visual experience, because they are alien and obtrusive. I also think that there are more offensive ones than others, in terms of their size, structure and style.
P39	I see power lines all the time in the rural area that I live in, and never thought anything of it. They seem to fit in better in real life than in photographs.
P40	Wires mar the beauty of the environment. Yes I notice
P41	ugly
P42	all the time....
P43	Absolutely - they often ruin the entire experience. Even in neighborhoods. Sometimes I look up the street and realize how ridiculous it is that we have huge poles and wires everywhere, and that for the most part I don't even notice them anymore because I am so used to them. Yet imagining them not there makes me realize they really change the look and feel of everything. In more natural settings the power lines are a reminder that humans are everywhere, and we don't have a lot of untouched land left. It is sad. However, I have driven through deserty areas with the fields of windmills, and I did think those were kind of interesting to look at.
P44	yes, they distract and detract from the natural experience
P45	Yea, no
P46	Yes, they just look so unnatural against the landscape
P47	I notice them, but usually think of them as a part of what is needed.
P48	Power lines have become part of our landscape and as a result we have been able to overlook them (that is we get used to them), but that doesn't mean that they go un-noticed. They are generally ugly. They frequently destroy photos. I would be great to see a better treatment of them in the future since they are probably here to stay.
P49	yes. i go to the mountains to be "away" from people, built infrastructure, etc. so it's a bummer to be bombarded with infrastructure still.... when i think i'm "out in the woods"
P50	yes. Wires imply people invading natural space.

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P51	Yes, in some cases I enjoy the contrasting effect, however in general i find the lines to be obtrusive
P52	yes; yes, in some landscapes they totally dominate what would otherwise be completely undisturbed nature and wide expanse views.
P53	Yes. Yes. They detract from the peacefulness of the scenery and remind me of business and industry. Those aren't bad things, but sometimes I want to get away from them for awhile.
P54	Always. Yes. And if we get too close to them, I can hear them crackle.
P55	
P56	Yes 100% they just make the whole scene seem out of place not a place I would want to stay near. It's like a interruption in nature with the wires there
P57	Yes, I notice them sometimes. I usually start wondering about them and how humans have touched everywhere. It distracts me from thinking about the natural surroundings themselves and rather our human impacts on the land.
P58	I notice them a lot and often think they are distracting from an otherwise perfect view. It's like trying to read with hair in your face, trying to see past it.
P59	Yes--they feel invasive.
P60	
P61	Yes, but I kind of take them for granted when I'm out there. I wish they weren't there, but I don't know what would be a better solution that would be less injurious to the environment.
P62	they are just fine.
P63	I do notice them and they do affect the visual experience, but they're sort of a necessary evil.
P64	Yes. Simply by being large and in the way of the vista they detract from the experience. When I recreate I want to feel like I am one of few if not the only one out in nature. When I see large power lines I feel as though I'm right next to a major metropolis and that's what I'm trying to get away from.
P65	Yes, they are a blight on the beautiful landscape that I seek out specifically to enjoy aesthetically and through physical engagement.
P66	Yes. Encroachment of technology and progress isn't always better.
P67	I have not stopped to pay attention to the utility structures in the landscape.
P68	Yes. The power line distract from my enjoyment of the beauty of the countryside.
P69	Yes. And No. Large swaths of major power lines clear-cut through a forest might stick out...but they don't always bother me. Power lines, light posts etc. surround most roads and built environments so they are to be expected.
P70	Yes. We often drive along the coast and a beautiful landscape will be interrupted by powerlines. Additionally, it's frustrating when trying to take pictures as you attempt to maneuver around the obstructions. It creates a dissonant experience of being in a minimally developed setting (anywhere) and then seeing glaring signs of modern life. My husband and I have often talked about how it's disruptive to the sensory enjoyment of nature.
P71	Yes. I grew up in central washington and travel the I-90 corridor and similar with some regularity. Also very familiar with these scenes (including powerlines) from childhood road trips. Just relatively recently had an energetic conversation with some friends about the wind turbines around the Kittitas/Ellensburg area ... there were big proponents of wind energy ... and I recognize the irony of driving by this area and using fossil fuels all while criticizing the aesthetics of these power generating machines ... but in my opinion they definitely detract from the pleasure I find in viewing the Icicle Range, Mt. Stuart, and the foreground sage hills.

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P72	I do feel that power lines affect the landscape they inhabit. The larger metal frames are the biggest impact. They dominate the landscape, they are the first things you notice. Those frames can block the natural landscape behind them.
P73	When travelling in rural areas, do you ever notice large power lines in the landscape? Sure. They're inevitable when power is needed. Have you ever felt that the power lines were affecting your visual experience and how? Sometimes but not often. They're part of the landscape. If they can be made less 'obvious', then great!
P74	Yes, but worried about powerlines even more in the city.
P75	I definitely notice power lines, especially large ones, or ones through otherwise natural habitats. Power lines are definitely a detractor to the visual experience of natural and even more urban landscapes
P76	Yes. They detract from an experience of feeling like I am in a remote location.
P77	Always. Hate them, would love to see them underground where they don't get knocked out by cars, weather, etc. Yes, they negatively affect the visual experience, even when within towns/cities. Who wants to look at messy wires against architectural rigor, even when the architecture is bad?
P78	I usually do notice power lines, they are usually more distracting from my experience in more confined remote places than in areas of concentrated human use
P79	yes, always, hate them. Very sensitive to them, feel like they completely destroy a view.
P80	Very often and wish they could be maintained in a less obtrusive fashion
P81	power lines are ugly and ruin the view
P82	
P83	
P84	Yes, I notice them. Yes, they are usually annoying. I try to get further into the backcountry to avoid them!
P85	
P86	Of course - they are especially obvious in the vast expanses and long views found between the Sierras and the Rockies. They are a jarring note in the landscape.
P87	Sure, I notice them all the time. They are a distraction if I am trying to enjoy the outdoors (hiking) but for driving, not so much.
P88	yes. if somewhat hidden in between trees they are less of a hinderance to the visual experience.
P89	Yes,They have to clear cut areas to install them the block vision on nature.
P90	While they are necessary they really ruin the view
P91	Notice them, but I don't wish that people live in darkness to make me happy
P92	Wherever they are... I see them. Or if they are there and I don't see them that would be remarkable. I almost never take photos of stunning scenes if there are power lines in view. Too much reminder that I am not in that space or wilderness alone, because there are people at the other end of those lines needing what they provide. If only they could all be buried or otherwise removed.
P93	yes, they get in the way of the view
P94	Yes I notice them, absolutely. As stated above, when they are in a long row they can create an interesting perspective and actually give a lonely road some character. Affect my visual experience, yes occasionally they would be a flaw in a photo, other times they may be the subject.
P95	Yes, they always distract from the enjoyment.

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P96	See response to Scene 12. The only times I ever really noticed powerlines in a negative sense was in Gilgit in Northern Pakistan. Everbody there just taps in by stripping insulation off the wire and wrapping their line in. Scared the crap out of me and presented a maze of criss-crossing lines that obscured the view of the Karakorums. My guess is if you asked people (or yourself for that matter) to describe the powerlines between Point A and Point B on a rural route they frequently travel you would find scarcely one person who could even remember powerlines. When they are shoved in our faces like in this survey, our response is exactly what you would expect. So in a sense you may be pointing out the obvious here. In reality, we are so acculturated to certain visual elements of our landscape (say the powerlines we have seen from birth) that, like the Andes to someone who lives there, they are largely invisible. New powerlines? Big stink at first and then they too eventually become invisible.
P97	yes they are ugly and remind me of the damage we are doing to our earth
P98	yes, I actually like them sometimes, but big masses of them or ones that seem scattered all over are visually frustrating
P99	yes....they distract from the pristine nature of the scene and sometimes they are of large, ugly design.
P100	I do notice the power lines, and sometimes it's a saddening reminder that there is no place untouched by the human hand. Other times I look at them and am reminded that they are taking power to places like farms and rural communities and connecting the producers of our food with the cities. That even though I don't always like the look of them aesthetically they are what binds us all together.
P101	Yes. They do signal that there is power in an area- always good. But they mar the natural beauty in such a drastic way! There are definitely other options!
P102	apparently not until I was looking at them in consecutive images. although they are the most annoying when I am trying to take pictures and ski around them and drive around the hubs and see them through crop fields and on ridge lines and...
P103	Yes, disrupting the flow
P104	My comments above kind of sum up what I see and feel.
P105	Yes. They're just so bulky and in the way of the beauty that is the natural landscape. I feel like in some areas efforts are made to try to disguise the poles, which works sometimes. But mostly they're just big, ugly structures in the way of a beautiful view.
P106	I notice them.
P107	I don't let them affect my visual experience. See additional comments on scene 115
P108	yes - I do notice the power lines. They take away from the naturalness of the scene.
P109	Do you like power in your house? Deal with power lines in the country!!!!
P109	Yes, when there are so many of them through an otherwise wild landscape, it is irritating. If above-ground cables are necessary, they should at least be as compact as possible--not spread out over a large (wide) area.
P110	yes. They look like towering giants in the sage/scrub landscape--sometimes that's visually interesting. The places where they've cut a clearing in the forest and clearly are managing and controlling the landscape to preserve access are more disturbing. Old wooden lines evoke my childhood. The sagging lines in great concentrations are not visually appealing.
P111	Of course. It is obvious that power lines are visual garbage.
P112	I feel that when they are obvious and angular, they ruin the landscape
P113	Yes. They offend. Please turn your efforts to getting Seattle (and other municipalities) to burying their power/communications lines; they offend my visual appreciation far more than trunk lines.

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P114	absolutely. though we understand their need, they detract from beautiful areas and make a dry ugly land even worse. they are a necessary evil and we know when in a river/dammed area (hydroelectric activity) we will see even more.
P115	Normally ignore them
P116	Yes. They block views and often stand out against nature. Sometimes they feel appropriate (perhaps because I've grown up with them always in the background), but that's most likely because I'm used to them and I expect them.
P117	yes. Yes, because they distract from the landscape significantly
P118	yes. I mostly feel an emotional attachment to what they symbolize- man's dominance over nature and destruction of habitat. they break up habitat areas and who knows how dangerous they are to wildlife? they are a visual reminder to me of us sucking as a human race.
P119	Yes, I notice the powerlines often, but try to see the geometry and other visual effects to make it more interesting, making the best of an intrusive scene. My own living room view is obstructed by powerlines and ruin many a magnificent sunset.
P120	Yes. I do not like the often harsh lines in the forest/landscape where they are placed. Often a large swath is cut to accommodate them and I do not like the way the landscape is partitioned in unnatural straight lines. I also do not like them in full view against the sky and prefer them blending into mountains and scapes below the horizon. On a positive note, I see a lot of birds of prey utilizing them to collect roadkill along roads -a problem onto itself but at least we are afforded the opportunity to see some rare species.
P121	I notice the power lines all the time and they interfere with the natural lanscape viewing, they are out of context in the scenery
P122	Yes. Power poles can be a salient, overbearing distraction, but without them, life would be harshly different. As an aside, I think wind turbines are an order of magnitude more ugly, as well as a menace to birds. are incapable of producing any significant amount of electrical power and require much more complicated grid tie-in engineering not to mention far more maintenance.
P123	I have often felt that they are a blight.
P124	Yes. Most power lines are nasty
P125	I have but it rarely negatively impacts my experience. The most obvious is when a large section of trees have been cleared in order to allow for power lines (example picture #13). When I see that I immediately think of the impact humans have on the environment (and I wonder if it's worth it).
P126	Not in rural areas, but I noticed them a lot in towns in Japan.
P127	They just aren't pretty.
P128	Yes, especially when driving. When they are neatly lined up it's fine, but when they're in disarray or in the midst of civilization chaos it makes everything uglier.
P129	Sometimes. They break up the landscape
P130	Yes, I notice them alot. It takes away from the natural sights, sometimes your eyes can't help but be drawn to them. It looks like we've put chains on the earth itself.
P131	basically reminding me that we are infants in an infinte universe
P132	Yes, they have been in the way when trying to take pictures, and I dislike hearing them buzzing overhead.
P133	
P134	takes away from nature
P135	Yes, I notice them some of the time. They can be very pretty at night, but obtrusive during the daytime. They make it difficult to feel like you are getting away.
P136	Yes, Yes because they take away from the pristine beauty of God's creation.
P137	They do, and I avoid them. I don't like how they look or feel

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P138	Certainly I notice power lines and they affect the visual experience nearly always. I have often tried to avoid them if taking a photo, for example.
P139	They are hard not to notice. They do affect the visual experience - but I've grown more attached to them than I find them a visual nuisance because they provide a necessary service to humans and can be beautiful in their own right (like wind turbines on hillsides). There are places that I would find them to have a negative effect on my visual experience - if I were in a true wilderness area or protected natural area. I wouldn't expect to see them in the Rainier or Yosemite backcountry or along Crater Lake Rim. There is room for everything on the earth and it's up to us to choose wisely where we put things.
P140	YES! They are, first and foremost, a physical and visual barrier/block from the natural landscape. They break up a scene visually and also they are a reminder that there are few truly wild places left that people have left untouched. They say, "People have been here." You don't see lines drawn across Mona Lisa's face.
P141	Yes I notice power lines in the landscape. Yes. Power lines affect my visual experience. We go to rural places to leave city life, and power lines are a reminder that we're still not totally out in nature.
P142	Yes. It detracts from the landscape.
P143	They detracted from the beauty of the landscape
P144	yes. They are necessary, but it's sad to see the visual impact.
P145	Yes. I find them vaguely threatening.
P146	I don't remember seeing them much in flat rural areas. I've seen them a couple of times while hiking and it feels oppressive...it makes me feel enclosed.
P147	Power lines make me find another area to enjoy the natural landscape.
P148	Yes, it should be evident from my comments above. They detract from the scenery and disrupt what would be an otherwise relaxing view. In an urban setting they are less prominent, but in a less developed area they are a terrible eyesore.
P149	yes. they can be ugly and beautiful. they are a reminder of human imprint on the world we live from.
P150	Always notice man's imprint on the natural world. Sometimes the power lines and/or poles seem okay as part of the landscape. Almost evocative. Sometimes as in the last few shots it is overwhelmingly obnoxious.
P151	yes, i have noticed. yes, i feel they negatively affect my visual experience. seems out of place and ugly.
P152	Yes I have noticed the power lines, the structures and the denuded vegetation required below them. They often seem out of place as the large ones always seem to run through areas that are less developed making them obvious. As these areas become more developed, it is sad the view has to be marred in this way.
P153	Yes, sometimes I use them as landmarks especially in central Illinois there are windmills and huge power lines on US 39. I think the older I get I am more concerned about power outages and the damage a power line accident could cause.
P154	They are ugly.
P155	YES. Mostly they ruin the natural balance and flow of a view. OCCASIONALLY I find them quaint and an addition to a scene, but that is rare. Overall, they sort of make me feel like I can never escape or go off the grid.
P156	Yes - sometimes it feels like there are no places without power lines
P157	yes. they break up the scenery
P158	yes, but I also realize the necessity of them for communication, business, and safety

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P159	I notice the power lines always, but I guess that's the only solution to get power to all of the remote places people live. They're such an intrusion, though; too bad there's not a better solution so we don't have such scars on the land.
P160	Only when trying to compose photos
P161	Fthey are always an eye sore. But the reality is we need them to survive untill alternative power is a practical means for everyone
P162	Little affect. They are gone quickly when driving.
P163	Yes - smaller is better
P164	I always notice the power lines. I think smaller poles with a few lines can inhance the visual experience. They are what makes our daily lives possible. The larger metal or concrete monsters take over the landscape and create and eyesore.
P165	not usually, i try to notice the landscape
P166	Yes - and regularly comment on them. The act to stop the feeling of rural, wild, and wilderness.
P167	I've actually never really noticed the power lines before when I'm in the actual place. Unless they are really big and bulky.
P168	Always. They are extremely ugly. While I am forever grateful for having been born at a time and place where electricity is readily available, I don't want to have to look at it. I want to spend as much time as possible in places where I don't have to look at humanity's attempts to conquer the forces of nature.
P169	No. Get real. Rural people for the most part deserve to live where they want. If it is cheaper and easier to string wire than it is to bury it, then let it be. For the person that is passing through to whine about it bothering them is petty and ridiculous. If they want to pay for it then fine!
P170	
P171	Yes and yes. Power lines cut up the nature. Always feel unhealthy around power lines.
P172	oh! THAT'S why there are power lines in the photos! i notice them less in real life. i think because they seem like part of the normal landscape since i have always lived around them. most scenic photography doesnt include them and that might be why i find them so ugly and distracting in these photos. in photos of the city, i probably wouldn't mind them so much.,
P173	Oh yes. I notice them and I do feel that they affect my experience.
P174	I do notice them, but try to ignore them, I guess. What I really dislike is when there is an entire forest of them, under barren ground. Or when there are flimsy, tilted poles with one wire on them. The first seems like an invasion (however necessary) the second just gives a sense of neglect.
P175	I do notice large power lines, & it tends to have a negative effect on me.
P176	I notice them frequently. As noted above, I do wish there was a way to get the electricity without the scenic disruption of the power delivery system.
P177	
P178	
P179	Yes, I notice them. In some ways, they detract from the beauty of the scene, but it depends. In some scenes (such as scene 5 above), the seem to fit in with the scenery nicely. In regards to this questionnaire, it seems that I am more likely to feel that the power lines detract from the scene when they are large and metal rather than smaller and made of wood.
P180	Not really. I mentally "photoshop" them out.
P181	Who could miss the power lines. Of course the affect my visual experience! They interfere with my view of the natural landscape. But I also know we need to transport power somehow. There has got to be a more aesthetic way to do it.

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P182	Sometimes they power lines negatively impact my experience. But other times they add an interesting note to the image.
P183	
P184	Always negatively. Sometimes I like to imagine what it would look like to early settlers without all the power lines & roads.
P185	They're not as noticeable when you're driving past them vs a static shot of them. They don't really bother me, folks need electricity.
P186	Of course they affect the visual experience of rural areas, but they're so commonplace that they're easy to overlook. Only when the landscape appears to be a bit more pristine and/or the power system is very large, do I take notice.
P187	Power lines are necessary, but they do look really ugly. And I would not want to spend a lot of time around them.
P188	Sometimes I do. I'm used to the lower-profile wooden poles & wires. They tend to blend into the landscape since they are made out of natural material & are smaller. However the larger metal towers are very distracting & ugly.
P189	Yes. It's ok if I am just driving by, but I dislike them if I am trying to go for a hike or spend time outdoors. A few lines are ok, but when you get to the photos that have 5-10+ lines, it is very intrusive.
P190	I haven't noticed it much
P191	I always notice them and feel they always take away from nature.
P192	
P193	Yes, I notice them. They detract from the purely natural landscape, but sometimes they can be interesting too. Most often, I don't care for them though.
P194	I do notice large power lines in the landscape. Usually they take up a small enough percentage of the landscape so it doesn't bother me.
P195	
P196	<p>I don't usually think about them unless they're really sticking out like a sore thumb. If they fit in I don't think about them, they're just a fact of life. After looking at these pictures I noticed that their presence can make an area look a bit more impoverished, though (since rich people can usually afford to lobby or influence their influential friends to not have large strips of power lines built through their neighborhoods).</p> <p>When I was younger my family used to take a lot of road trips and I liked looking out the window, looking at the power lines and relaxing the focus of my eyes enough so that the power lines looked like one long thread moving up and down, up and down.</p>
P197	I can sometimes tune them out when looking outside, but if there is a large number of them it makes the area look uglier. It also makes we wonder why we haven't come up with better alternatives.
P198	Negative
P199	The power lines intrude on the rural experience. Wish they could be underground.
P200	sometimes I notice power lines, more so when I am driving than when I am the passenger (I'm usually knitting then) and it makes me sad that I'm using a car on a paved road to get to a more "rural" or "nature-y" area that requires these power lines for me to enjoy it. If there were a better way I could both travel and enjoy those places with less of an imprint, sign me up and tell me how!
P201	Yes, it breaks up the beauty and naturalness of the scene. A reminder of our ever encroaching human spirit
P202	I spent 12 years traveling full-time in an RV and frequently noticed power lines negatively impacting what would otherwise be a beautiful scene. I found this especially annoying when trying to take pictures for my blog.

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P203	Often views are impeded by power lines but I think that they are pretty necessary for the people that live in those areas. Sometime when it is just one power line they look really beautiful.. Like roadside guards
P204	Power lines are more noticeable in sparse landscapes. When they're symmetrical, they can actual add to the scene by giving a visual line of focus and creating interest in a very horizontal environment.
P205	
P206	Yes, they are ugly.
P207	yes. Not always. Depends on the type and how many. I know they are necessary, but the larger ones always seem to be the worst. I would prefer to not see them of course.
P208	Always. When complex, they are ominous...simple phone poles are more friendly.
P209	Yes. They take away from the beauty of the area.
P210	
P211	Yes - a lot of times I ignore them in places I'm used to, so when I did photography I would forget they were there. But then I'd take a picture and when it came back it would look cheap and ugly, and it would mess with the composition. I always feel like when they cut through timber it looks like a scar. But I love rustic fences.
P212	Yes, I notice them. The ones going up mountains with clear-cuts underneath make the worst visual impression.
P213	Yes, sometimes powerlines get in the way of a beautiful landscape. It reminds you that humans are dominating nature. It also makes me wonder how much the installation, maintenance, etc. is disturbing the natural functioning of what I'm looking at. I will note that some powerlines are more visually appealing than others.
P214	
P215	yes - does not look natural
P216	Sometimes. If there were enough trees I didn't notice them as much or if the mountains, rock colors were spectacular I focused more on that item.
P217	Yes, but out there I am capable of ignoring them for the vista itself
P218	yes I notice them and the only time I like them is when there are interesting birds perched on them
P219	i notice them, and i think that they do affect my visual experience, but in a positive way. power lines make the landscape more stark and real, i think, and evoke a certain loneliness.
P220	
P221	Yes... obstructs views... creates straight lines across rolling landscapes
P222	yes. I enjoyed looking at them when I was young. I grew up seeing them as a part of the landscape. So I don't feel very uncomfortable looking at them unless they are very close, say within a 1/4 mile.
P223	Yes. Yes, if they weren't there the visual experience would be much more pleasant. Powerlines add some tension and distraction to a view.
P224	Yes. Just imposing man made structure on the scenery.
P225	
P226	Yes, always. I just get frustrated when they are on the "wrong" (meaning most scenic) side of the road.
P227	Yes, especially on the highway to Las Vegas and around Hoover Dam. But I personally don't see too much of it in my local mountain areas, thank goodness, not yet!!!
P228	Yeah, I feel it interupts the peace and expanse of nature

Survey Participant	Do you notice large power lines? Have you felt they affect your visual experience? How?
P229	Just returned from driving more than three thousand miles around the west (WA, OR, ID, CO, UT, NM) and have to say that the power lines that are there are generally not a problem. So much more visually disturbing things, like trash and overgrazing. Most long distance power lines seem unobtrusive in the grand scheme of things. Especially in the west when it means hydro instead of coal or gas plants.
P230	Yes. Yes, I would prefer to be in rural areas and see less power lines but this may not be a realistic idea of mine since rural areas deserve the same amount of electricity, cable, and other resources which urban areas have.

Survey Participant	How often do you recreate outdoors?	Age	Sex	Occupation/ Area of Study	Handheld device?
P1	Often	31 - 64		Homemaker.	No
P2	Sometimes	31 - 64	Male	Landscape Architect	No
P3	Sometimes	31 - 64	Male	Landscape Architect	No
P4	Sometimes	31 - 64	Male	Forest Management, Agriculture	No
P5	Often	18 - 30	Female	student.	No
P6					
P7	Sometimes	65 +	Female	Retired teacher	No
P8	Rarely	65 +	Female	Paralegal	No
P9	Often	31 - 64	Female	academic	No
P10	Often	31 - 64	Male	Health care Behavioral health Counseling for children	Yes
P11	Often	31 - 64		Operations Manager - Technology company.	No
P12	Often	31 - 64	Male	Semi-retired/Farmer	No
P13	Rarely	31 - 64	Female	IT Support	No
P14	Often	31 - 64	Male	Attorney	No
P15	Often	31 - 64	Female	Biologist.	No
P16	Often	31 - 64	Male	English Professor	No
P17	Often	65 +	Female	Research Asst Tox also semi retired	No
P18	Sometimes	31 - 64	Female	Full time in Global Health and Full time MBA Student	No
P19	Often	31 - 64	Female	Teacher	No
P20	Often	31 - 64	Female	Sustainability consultant.	No
P21	Often	31 - 64	Female	Educator - high school	No
P22	Sometimes	18 - 30	Female	Education	Yes
P23	Often	31 - 64	Female	Lpn	Yes
P24	Often	31 - 64	Male	wildlife biologist	No
P25	Often	31 - 64	Female	Nurse Practitioner	No
P26	Often	31 - 64	Male	Archaeologist, Good Luck Andrea!	No
P27	Sometimes	31 - 64	Female	social services	No
P28	Often	31 - 64	Male	Teacher	No
P29	Sometimes	31 - 64	Female	gardener	No
P30	Often	31 - 64	Female	Writer, including on landscape design and gardening.	No
P31	Sometimes	31 - 64	Male	IT Engineer.	No
P32	Often	31 - 64	Female	Scientist	No
P33	Often	65 +	Male	SELF EMPLOYED	Yes
P34	Often	31 - 64	Female	Elementary School Secretary	No
P35	Rarely	31 - 64	Female	Law	No
P36	Sometimes	31 - 64	Female	Attorney	No
P37	Often	31 - 64	Female	teacher	No
P38	Often	31 - 64	Female	scientist: marine ecologist	No
P39		31 - 64	Female	Contract Administrator for a New Home Builder	No
P40	Sometimes	31 - 64	Female	Medical Sales Rep	No
P41	Often	31 - 64	Male	medical administrator...retired	No
P42	Often	31 - 64		at home mom	No
P43	Sometimes	31 - 64	Female	Currently a homeschooling mom - last occupation was office work and volunteering in social services.	No
P44	Often	31 - 64	Female	Lift operations supervisor	No
P45	Sometimes	18 - 30	Female	Leasing Consultant /Nanny	No
P46	Often	31 - 64	Female	Owner of a small insulation business	No
P47	Often	31 - 64	Female	Management	Yes
P48	Often	31 - 64	Male	Retired Engineer	No

Survey Participant	How often do you recreate outdoors?	Age	Sex	Occupation/ Area of Study	Handheld device?
P49	Sometimes	31 - 64	Female	landscape architecture student currently. previously environmental policy and education professional	No
P50	Sometimes	31 - 64	Male	Merchandise sales	No
P51	Often	31 - 64	Female	Landscape Architecture	No
P52	Often	31 - 64	Female	Conservation	No
P53	Sometimes	31 - 64	Female	Small business owner and bookkeeper Also, substitute teacher.	No
P54	Often	31 - 64	Female	Molecular Biologist (now writer)	No
P55	Often	31 - 64	Male	television producer	No
P56	Often	31 - 64	Female	Nurse	Yes
P57	Often	31 - 64	Female	student	No
P58	Rarely	31 - 64	Female	Started Interior design but didn't finish. Currently a stay at home Mom.	No
P59	Sometimes	18 - 30	Female	Travel marketing account executive.	No
P60	Rarely	18 - 30	Female		No
P61	Often	31 - 64	Female	Communications Director for a prosthetic limb manufacturer	No
P62	Often	18 - 30	Female	Scientist	No
P63	Often	31 - 64	Male	Natural Resource Planner	No
P64	Sometimes	31 - 64	Female	Environmental Planner	No
P65	Often	31 - 64	Female	Marketing	No
P66	Often	31 - 64	Female	Nurse	No
P67	Sometimes	18 - 30	Male	I am an undergraduate student studying landscape architecture.	No
P68	Often	31 - 64	Female	Illustrator.	No
P69	Often	18 - 30	Female	Landscape design.	No
P70	Sometimes	31 - 64	Female	Government A former grad student myself, I'll answer additional questions, if you need, at bigblueice@yahoo.com	No
P71	Often	31 - 64	Female	Accounting/Bookkeeping	No
P72	Often	31 - 64	Female	education	No
P73	Often	31 - 64	Female	Agricultural Engineer	No
P74	Sometimes	31 - 64	Female	Adviser	No
P75	Often	18 - 30	Female	biologist	Yes
P76	Sometimes	18 - 30	Female	Landscape Architecture & Urban Planning student.	No
P77	Often	31 - 64	Female	Editor (ex-wife of Landscape Architect)	
P78	Sometimes	18 - 30	Female	Student studying landscape architecture	No
P79	Often	31 - 64	Male	Landscape student	No
P80	Often	65 +	Male	Retire; Professor Emeritus, Social Work	No
P81	Often	31 - 64	Female		No
P82	Rarely	31 - 64	Female		No
P83	Sometimes	18 - 30	Female		No
P84	Often	31 - 64	Male	MLA Student	No
P85	Sometimes	18 - 30	Female	student in landscape architecture	No
P86	Often	65 +	Male	Retired engineer and Girl Scout leader.	No
P87	Often	31 - 64	Female	Associate Professor	No
P88	Sometimes	18 - 30	Female	landscape architecture student	No
P89	Often	31 - 64	Female	Research coordinator	Yes

Survey Participant	How often do you recreate outdoors?	Age	Sex	Occupation/ Area of Study	Handheld device?
P90	Often	65 +	Male		No
P91	Often	31 - 64	Male	Archivist	Yes
P92	Sometimes	31 - 64	Female	Homemaker. Trained photo journalist.	No
P93	Rarely	31 - 64	Female	engineer	Yes
P94	Sometimes	31 - 64	Female	Office, accounting.	No
P95	Sometimes	31 - 64	Female	Retired	No
P96	Often	31 - 64	Male	Environmental Consultant, Ecosystem Planner.	No
P97	Often	31 - 64	Female	photographer, mom	No
P98	Often	18 - 30	Female	LA student	No
P99	Sometimes	31 - 64	Female	History teacher.....retired.	No
P100	Often	18 - 30	Female	Animator	No
P101	Rarely	31 - 64	Female	Human Resources	Yes
P102	Often	31 - 64	Female	Student	No
P103	Sometimes	31 - 64	Female	Occupational Therapist	No
P104	Often	65 +	Male	Retired US Army	No
P105	Often	18 - 30	Female	Bookseller at Third Place Books / unpublished novelist	No
P106	Sometimes	65 +	Female	Medical, retired.	No
P107	Often	65 +	Male	retired engineer	No
P108	Often	31 - 64	Male	Sales	No
P109	Often	31 - 64	Female	Retired Director of Technical Communications in the semiconductor industry.	No
P110	Often	31 - 64	Female	Environmental Project Manager	No
P111	Often	65 +	Male	Retired ELECTRICAL Engineer!	Yes
P112	Sometimes	31 - 64	Female	Landscape Architecture	No
P113	Sometimes	31 - 64	Male	financial consultant	No
P114	Often	31 - 64	Female	teacher	No
P115	Often	31 - 64	Female		Yes
P116	Sometimes	31 - 64	Male	office support staff & student	No
P117	Often	31 - 64	Female	MLA student :)	No
P118	Often	18 - 30	Female	student	No
P119	Often	31 - 64	Female	Medical field - hospital patient care	No
P120	Often	31 - 64	Male	Fisheries Biologist	No
P121	Often	31 - 64	Female	Retired	No
P122	Often	65 +	Male	Retired engineer, MA mathematics, currently enjoying life as an intaglio print maker, gunsmith and custom rifle builder. Good luck on your thesis! I enjoyed your pictures.	No
P123	Often	65 +	Male	Was a biology, Natural Science major. Career in Environmental Health. Now retired, but still active outdoors.	No
P124	Often	31 - 64	Male	Data security	No
P125	Often	18 - 30	Female	Residential gardener in city.	No
P126	Sometimes	18 - 30	Female	Student landscape architecture	No
P127	Often	31 - 64	Female	artist/educator	No
P128	Sometimes	18 - 30		Marketing/public relations	No
P129	Often	31 - 64	Female	School Financial Specialist	No
P130	Often	31 - 64	Female	Insurance claims processor, administration	No
P131	Often	18 - 30	Male	Engineering	No

Survey Participant	How often do you recreate outdoors?	Age	Sex	Occupation/ Area of Study	Handheld device?
P132	Often	31 - 64	Female	Landscape architecture student	No
P133	Often	31 - 64	Female	psychology professor	No
P134	Rarely	31 - 64	Male	office Admin for a construction co. that builds bridges and highways	No
P135	Sometimes	18 - 30		Student: Mathematics, Psychology	No
P136	Rarely	31 - 64	Female	Retired, former secretary for a special ed program, college degree-majored in home economics education.	No
P137	Often	31 - 64	Female	Nanny	No
P138	Often	31 - 64	Female	Biologist. BTW - I did not take this survey on my smart phone, only because I did not think I would be able to.	No
P139	Often	31 - 64	Female	Landscape Architecture/Landscape Historian	No
P140	Often	31 - 64	Female	Masters degree in Counseling Psychology, currently a mom at home.	No
P141	Often	31 - 64	Male	Financial Planner	No
P142	Sometimes	31 - 64	Female	Retired lawyer.	No
P143	Often	65 +	Female	Retired RN	No
P144	Often	31 - 64	Female	Mortgage Manager	No
P145	Often	31 - 64	Female	Technical writer.	No
P146	Sometimes	31 - 64	Female	Musician--student	No
P147	Often	31 - 64	Male	Union Sheet Metal Worker	No
P148	Often	31 - 64	Male	Physician	Yes
P149	Often	18 - 30	Male	landscape architecture student	No
P150	Often	31 - 64	Female	Landscape architect	No
P151	Rarely	31 - 64	Female	stay at home parent	No
P152	Sometimes	31 - 64	Female	Student	No
P153	Sometimes	31 - 64	Female	preschool teacher	No
P154	Often	65 +	Female		Yes
P155	Often	31 - 64	Female	Personal Training/Sports Medicine.	No
P156	Sometimes	31 - 64	Female		No
P157	Often	18 - 30	Female	RN	No
P158	Often	18 - 30		SEO manager for a gaming company Most recent field of study: Behavioral Science	No
P159	Often	31 - 64	Female	I'm a retired biologist/chemist, who most recently taught 1st-5th grade science.	No
P160	Often	65 +	Female	Long range planning for information systems; now retired	No
P161	Sometimes	31 - 64	Female	Registered Nurse	Yes
P162	Often	65 +	Male	Engineer, retired	No
P163	Rarely	65 +	Female	Retired. Worked in entertainment field.	No
P164	Often	31 - 64	Female	Special Educational Paraprofessional, working on my Special Education Teaching License.	No
P165	Often	65 +	Female	horticulture	No
P166	Often	31 - 64	Female	Business Consultant	No
P167	Sometimes	31 - 64	Female	Graduate student/Epidemiology	No
P168	Often	18 - 30	Female	student	No
P169	Often	31 - 64		Student Nurse, former Land Surveyor	No
P170	Often	18 - 30	Female	Doula, student, mother	No
P171	Sometimes	31 - 64	Female	computer analyst	No

Survey Participant	How often do you recreate outdoors?	Age	Sex	Occupation/ Area of Study	Handheld device?
P172	Rarely	31 - 64	Female	editor. i have a bachelor's in sociology	No
P173	Often	31 - 64	Female	Psychologist - retired	No
P174	Sometimes	31 - 64	Female	Retired, manager and nonprofit consultant	No
P175	Rarely	31 - 64	Female	market research, now retired	No
P176	Sometimes	31 - 64	Female	Lawyer	No
P177					No
P178	Sometimes	31 - 64	Female	RN	Yes
P179	Often	31 - 64	Male	occupational therapist	No
P180	Sometimes	31 - 64	Female	Teacher.	No
P181	Often	31 - 64	Female	Elementary school teacher	No
P182	Often	31 - 64		Healthcare administrator	No
P183	Often	18 - 30	Female		No
P184	Sometimes	65 +	Female	Retired computer programmer.	No
P185	Often	31 - 64	Female	Nurse	No
P186	Often	18 - 30	Female	Habitat Restoration Technician.	No
P187	Sometimes	31 - 64	Female	Landscape architecture! I hope you have better luck than I have had at finding work....	No
P188	Sometimes	18 - 30	Female	video production	No
P189	Sometimes	18 - 30	Female	Church Ministry	No
P190	Sometimes	18 - 30	Female	Retail, tutor, student	No
P191	Often	31 - 64	Female	I was a receptionist, but now I am retired.	No
P192	Sometimes	31 - 64	Female		No
P193	Often	31 - 64	Female	Librarian	No
P194	Rarely	31 - 64	Male	electrical engineer	No
P195		65 +	Female	librarian too long, retitious	No
P196	Sometimes	18 - 30	Female	Webmaster Trends Analyst (technology + communication)	No
P197	Never	31 - 64	Female	Merchant Product Manager for an online e-commerce site.	No
P198	Never	31 - 64	Female	IT	Yes
P199	Often	31 - 64	Female	Teacher	No
P200	Sometimes	31 - 64	Female	public school teacher	No
P201	Sometimes	31 - 64	Female	social worker	No
P202	Often	31 - 64	Male	Retired computer programmer.	No
P203	Often	18 - 30	Female	Volunteer recruitment and management at an environmental non-profit	No
P204	Often	18 - 30	Female	Natural resource management	No
P205	Sometimes	18 - 30	Female		No
P206	Often	31 - 64	Female	Medical research	No
P207	Sometimes	31 - 64	Female	Project Manager	No
P208	Often	31 - 64	Female	Horticulturist, formally retired, but playing in my own garden, and those of several friends.	
P209	Sometimes	65 +	Female	Masters degree in public administration. Retired.	Yes
P210	Rarely	18 - 30	Female	Psychology research	No
P211	Sometimes	31 - 64	Female	Urban planning / maps contractor.	No
P212	Often	31 - 64	Female	Social scientist/policy researcher	No
P213	Often	18 - 30	Female	Urban environmental project coordinator	Yes

Survey Participant	How often do you recreate outdoors?	Age	Sex	Occupation/ Area of Study	Handheld device?
P214	Often	18 - 30	Female		No
P215	Often	65 +	Male	Electral Engineering	No
P216	Often	65 +	Female	Geology professor at San Jose State University - now retired	No
P217	Often	31 - 64	Female	Epidemiology	No
P218	Often	31 - 64	Female	Noxious Weed Specialist	No
P219	Rarely	31 - 64	Female	i am a dog walker.	No
P220		31 - 64	Female	RNC, IBCLC	No
P221	Often	31 - 64	Male	Filmmaker	No
P222	Sometimes	18 - 30	Male	Landscape architecture.	No
P223	Often	31 - 64	Female	Biologist	No
P224	Often	31 - 64	Male	Construction environmental monitor.	No
P225	Often	31 - 64	Female		Yes
P226	Sometimes	31 - 64	Female	Retired	No
P227	Sometimes	65 +	Female	ret. clinical social worker, but part time U of U student	No
P228	Sometimes	18 - 30	Female	Writer/counsellor	No
P229	Often	31 - 64	Female	homemaker	No
P230	Rarely	31 - 64	Female	Library manager	No