

## **Exhibit G Materials Analysis**

### **Boardman to Hemingway Transmission Line Project**



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*Preliminary Application for Site Certificate*

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## ACRONYMS AND ABBREVIATIONS

Note: Not all acronyms and abbreviations listed will appear in this Exhibit.

°C	degrees Celsius
4WD	4-wheel-drive
A	ampere
A/ph	amperes/phase
AC	alternating current
ACDP	Air Contaminant Discharge Permit
ACEC	Area of Critical Environmental Concern
ACSR	aluminum conductor steel reinforced
AIMP	Agricultural Impact Mitigation Plan
AMS	Analysis of the Management Situation
aMW	average megawatt
ANSI	American National Standards Institute
APE	Area of Potential Effect
APLIC	Avian Power Line Interaction Committee
ARPA	Archaeological Resource Protection Act
ASC	Application for Site Certificate
ASCE	American Society of Civil Engineers
ASP	Archaeological Survey Plan
AST	aboveground storage tank
ASTM	American Society of Testing and Materials
ATC	available transmission capacity
ATV	all-terrain vehicle
AUM	animal unit month
B2H	Boardman to Hemingway Transmission Line Project
BCCP	Baker County Comprehensive Plan
BCZSO	Baker County Zoning and Subdivision Ordinance
BLM	Bureau of Land Management
BMP	best management practice
BPA	Bonneville Power Administration
BOR	Bureau of Reclamation
C and D	construction and demolition
CAA	Clean Air Act
CadnaA	Computer-Aided Noise Abatement
CAFE	Corona and Field Effects
CAP	Community Advisory Process
CBM	capacity benefit margin
CFR	Code of Federal Regulations
CH	critical habitat
CIP	critical infrastructure protection
CL	centerline
cm	centimeter
cmil	circular mil
COA	Conservation Opportunity Area
CO <sub>2</sub> e	carbon dioxide equivalent

COM Plan	Construction, Operations, and Maintenance Plan
CPCN	Certificate of Public Convenience and Necessity
cps	cycle per second
CRP	Conservation Reserve Program
CRT	cathode-ray tube
CRUP	Cultural Resource Use Permit
CSZ	Cascadia Subduction Zone
CTUIR	Confederated Tribes of the Umatilla Indian Reservation
CWA	<i>Clean Water Act of 1972</i>
CWR	Critical Winter Range
dB	decibel
dBA	A-weighted decibel
DC	direct current
DoD	Department of Defense
DOE	U.S. Department of Energy
DOGAMI	Oregon Department of Geology and Mineral Industries
DPS	Distinct Population Segment
DSL	Oregon Department of State Lands
EA	environmental assessment
EDRR	Early Detection and Rapid Response
EIS	Environmental Impact Statement (DEIS for Draft and FEIS for Final)
EFSC or Council	Energy Facility Siting Council
EFU	Exclusive Farm Use
EHS	extra high strength
EMF	electric and magnetic fields
EPA	Environmental Protection Agency
EPC	Engineer, Procure, Construct
EPM	environmental protection measure
EPRI	Electric Power Research Institute
ERO	Electric Reliability Organization
ERU	Exclusive Range Use
ESA	Endangered Species Act
ESCP	Erosion and Sediment Control Plan
ESU	Evolutionarily Significant Unit
EU	European Union
FAA	Federal Aviation Administration
FCC	Federal Communication Commission
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FFT	find, fix, track, and report
FLPMA	Federal Land Policy and Management Act
Forest Plan	Land and Resource Management Plan
FPA	Forest Practices Act
FSA	Farm Services Agency
FWS	U.S. Fish and Wildlife Service
G	gauss

GeoBOB	Geographic Biotic Observation
GF	Grazing Farm Zone
GHG	greenhouse gas
GHz	gigahertz
GIL	gas insulated transmission line
GIS	geographic information system
GPS	Global Positioning System
GRMW	Grande Ronde Model Watershed
GRP	Grassland Reserve Program
HAC	Historic Archaeological Cultural
HCNRA	Hells Canyon National Recreation Area
HPFF	high pressure fluid-filled
HPMP	Historic Properties Management Plan
HUC	Hydrologic Unit Code
Hz	hertz
I-84	Interstate 84
ICC	International Code Council
ICES	International Committee on Electromagnetic Safety
ICNIRP	International Commission on Non-Ionizing Radiation Protection
IDAPA	Idaho Administrative Procedures Act
IDEQ	Idaho Department of Environmental Quality
IDFG	Idaho Department of Fish and Game
IDWR	Idaho Department of Water Resources
ILS	intensive-level survey
IM	Instructional Memorandum
INHP	Idaho Natural Heritage Program
INRMP	Integrated Natural Resources Management Plan
IPC	Idaho Power Company
IPUC	Idaho Public Utilities Commission
IRP	integrated resource plan
IRPAC	IRP Advisory Council
ISDA	Idaho State Department of Agriculture
JPA	Joint Permit Application
KCM	thousand circular mils
kHz	kilohertz
km	kilometer
KOP	Key Observation Point
kV	kilovolt
kV/m	kilovolt per meter
kWh	kilowatt-hour
L <sub>dn</sub>	day-night sound level
L <sub>eq</sub>	equivalent sound level
lb	pound
LCDC	Land Conservation and Development Commission
LDMA	Lost Dutchman's Mining Association
LiDAR	light detection and ranging
LIT	Local Implementation Team

LMP	land management plan
LOLE	Loss of Load Expectation
LRMP	land and resource management plan
LUBA	Land Use Board of Appeals
LWD	large woody debris
m	meter
mA	milliampere
MA	Management Area
MAIFI	Momentary Average Interruption Frequency Index
MCC	Malheur County Code
MCCP	Morrow County Comprehensive Plan
MCE	Maximum Credible Earthquake
MCZO	Morrow County Zoning Ordinance
mG	milligauss
MHz	megahertz
mm	millimeter
MMI	Modified Mercalli Intensity
MP	milepost
MPE	maximum probable earthquake
MRI	magnetic resonance imaging
MVAR	megavolt ampere reactive
Mw	mean magnitude
MW	megawatt
$\mu\text{V/m}$	microvolt per meter
N <sub>2</sub> O	nitrous oxide
NAIP	National Agriculture Imagery Program
NED	National Elevation Dataset
NEMS	National Energy Modeling System
NEPA	<i>National Environmental Policy Act of 1969</i>
NERC	North American Electric Reliability Corporation
NESC	National Electrical Safety Code
NF	National Forest
NFPA	National Fire Protection Association
NFS	National Forest System
NGDC	National Geophysical Data Center
NHD	National Hydrography Dataset
NHOTIC	National Historic Oregon Trail Interpretive Center
NHT	National Historic Trail
NIEHS	National Institute of Environmental Health Sciences
NIST	National Institute of Standards and Technology
NOAA	National Oceanic and Atmospheric Administration
NOAA Fisheries	National Oceanic and Atmospheric Administration Fisheries Division
NOI	Notice of Intent to File an Application for Site Certificate
NOV	Notice of Violation
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service

NRHP	National Register of Historic Places
NSR	noise sensitive receptor
NTTG	Northern Tier Transmission Group
NWGAP	Northwest Regional Gap Analysis Landcover Data
NWI	National Wetlands Inventory
NWPP	Northwest Power Pool
NWR	National Wildlife Refuge
NWSRS	National Wild and Scenic Rivers System
NWSTF	Naval Weapons Systems Training Facility
O <sub>3</sub>	ozone
O&M	operation and maintenance
OAIN	Oregon Agricultural Information Network
OAR	Oregon Administrative Rules
OATT	Open Access Transmission Tariff
ODA	Oregon Department of Agriculture
ODEQ	Oregon Department of Environmental Quality
ODF	Oregon Department of Forestry
ODFW	Oregon Department of Fish and Wildlife
ODOE	Oregon Department of Energy
ODOT	Oregon Department of Transportation
OHGW	overhead ground wire
OHV	off-highway vehicle
OPGW	optical ground wire
OPRD	Oregon Parks and Recreation Department
OPS	U.S. Department of Transportation, Office of Pipeline Safety
OPUC	Public Utility Commission of Oregon
OR	Oregon (State) Highway
ORBIC	Oregon Biodiversity Information Center
ORS	Oregon Revised Statutes
ORWAP	Oregon Rapid Wetland Assessment Protocol
OS	Open Space
OSDAM	Oregon Streamflow Duration Assessment Methodology
OSHA	Occupational Safety and Health Administration
OSSC	Oregon Structural Specialty Code
OSWB	Oregon State Weed Board
OWC	Oregon Wetland Cover
P	Preservation
PA	Programmatic Agreement
pASC	Preliminary Application for Site Certificate
PAT	Project Advisory Team
PCE	Primary Constituent Element
PEM	palustrine emergent
PFO	palustrine forested
PGA	peak ground acceleration
PGE	Portland General Electric
PGH	Preliminary General Habitats
Pike	Pike Energy Solutions

PNSN	Pacific Northwest Seismic Network
POD	Plan of Development
POMU	Permit to Operate, Maintain and Use a State Highway Approach
PPH	Preliminary Priority Habitats
Project	Boardman to Hemingway Transmission Line Project
PSD	Prevention of Significant Deterioration
PSS	palustrine scrub-shrub
R	Retention
R-F	removal-fill
RCM	Reliability Centered Maintenance
RCRA	Resource Conservation and Recovery Act
ReGAP	Regional Gap Analysis Project
RFP	request for proposal
RLS	reconnaissance-level survey
RMP	resource management plan
ROD	Record of Decision
ROE	right of entry
RNA	research natural area
ROW	right-of-way
SAIDI	System Average Interruption Duration Index
SAIFI	System Average Interruption Frequency Index
SC	Sensitive Critical
SEORMP	Southeastern Oregon Resource Management Plan
SF6	sulfur hexafluoride
Shaw	Shaw Environmental and Infrastructure, Inc.
SHPO	State Historic Preservation Office
SLIDO	Statewide Landslide Inventory Database for Oregon
SMS	Scenery Management System
SMU	Species Management Unit
SPCC	Spill Prevention, Containment, and Countermeasures
SRMA	Special Recreation Management Area
SRSAM	Salmon Resources and Sensitive Area Mapping
SSURGO	Soil Survey Geographic Database
STATSGO	State Soil Geographic Database
SUP	special-use permit
SV	Sensitive Vulnerable
SWPPP	Stormwater Pollution Prevention Plan
T/A/Y	tons/acre/year
TDG	Total Dissolved Gas
TES	threatened, endangered, and sensitive (species)
TG	Timber Grazing
TMIP	Transmission Maintenance and Inspection Plan
TNC	The Nature Conservancy
tpy	tons per year
TSD	treatment, storage, and disposal
TV	television
TVES	Terrestrial Visual Encounter Surveys

TVMP	Transmission Vegetation Management Program
UBAR	Umatilla Basin Aquifer Restoration
UBWC	Umatilla Basin Water Commission
UCDC	Umatilla County Development Code
UCZPSO	Union County Zoning, Partition and Subdivision Ordinance
UDP	Unanticipated Discovery Plan
U.S.	United States
USACE	U.S. Army Corps of Engineers
U.S.C.	United States Code
USDA	U.S. Department of Agriculture
USFS	U.S. Department of Agriculture, Forest Service
USGS	U.S. Geological Survey
UWIN	Utah Wildlife in Need
V/C	volume to capacity
V	volt
VAHP	Visual Assessment of Historic Properties
VMS	Visual Management System
VQO	Visual Quality Objective
VRM	Visual Resource Management
WAGS	Washington ground squirrel
WCU	Wilderness Characteristic Unit
WECC	Western Electricity Coordinating Council
WHO	World Health Organization
WMA	Wildlife Management Area
WOS	waters of the state
WOUS	waters of the United States
WPCF	Water Pollution Control Facility
WR	winter range
WRCC	Western Regional Climate Center
WRD	(Oregon) Water Resources Division
WRP	Wetland Reserve Program
WWE	West-wide Energy
XLPE	cross-linked polyethylene

## 1 Exhibit G 2 Materials Analysis

### 3 1.0 INTRODUCTION

4 Exhibit G provides an analysis of materials for the Boardman to Hemingway Transmission Line  
5 Project (Project). Exhibit G demonstrates that Idaho Power Company (IPC) will comply with  
6 Oregon Administrative Rule (OAR) Chapter 345 Division 22 relating to materials, based on  
7 information provided pursuant to OAR 345-021-0010(1)(g), paragraphs (A) through (C).

8 Specifically, Exhibit G demonstrates that materials used for construction and operations of the  
9 Boardman to Hemingway Transmission Line Project (Project) will not result in adverse impacts  
10 to resources. Exhibit G includes a listing of hazardous and non-hazardous materials to be used  
11 on the Project and a discussion of plans to manage them. Exhibit G also provides a brief  
12 summary of plans for handling solid and hazardous waste. Estimated waste quantities,  
13 handling, and waste minimization are fully described in Exhibit V.

### 14 2.0 APPLICABLE RULES AND STATUTES

15 Pursuant to OAR 345-021-0010(1)(g), Exhibit G must contain a materials analysis including:

16 *(A) An inventory of substantial quantities of industrial materials flowing into and out of*  
17 *the proposed facility during construction and operation;*

18 *(B) The applicant's plans to manage hazardous substances during construction and*  
19 *operation, including measures to prevent and contain spills; and*

20 *(C) The applicant's plans to manage non-hazardous waste materials during construction*  
21 *and operation.*

22 As emphasized in the Project Order, Exhibit G must provide evidence that the facility will  
23 appropriately use and store hazardous materials. Specifically, the Project Order provides the  
24 following additional direction:

25 *See discussion in Section I(d) of this project order regarding ODEQ Land Quality*  
26 *Division's requirements for hazardous materials used and stored at the facility, or at*  
27 *temporary access and laydown areas. The Department also uses the materials analysis*  
28 *to identify any hazardous materials whose management and storage could affect the*  
29 *cost of site restoration because of the possibility of spills. The applicant should ensure*  
30 *that the application addresses any proposed fuel storage areas, vehicle maintenance*  
31 *areas, or other areas that will be utilized for activities that could result in a spill of a*  
32 *hazardous substance.*

33 *The ODEQ Hazardous Waste program implements requirements of the U.S.*  
34 *Environmental Protection Agency (EPA) and is a federally-delegated program. The*  
35 *applicant must comply with ODEQ regulations concerning the storage and management*  
36 *of hazardous materials and the clean up and disposal of hazardous waste.*

37 In addition, the Oregon Department of Environmental Quality (ODEQ), Land Quality Division,  
38 under Statutes Oregon Revised Statutes (ORS) Chapter 465 and 466 and under OAR Chapter  
39 340, Divisions 100 through 122, governs hazardous waste, hazardous materials, and hazardous  
40 waste management. This requirement is incorporated in the Council's general standard of  
41 review, OAR 345-022-0000. No permit is required for hazardous waste, but IPC will comply with

1 ODEQ regulations concerning Project storage and management of hazardous materials and the  
2 cleanup and disposal of hazardous waste. OAR 345-022-0030 contains rules for soil protection  
3 including impacts from material spills. Impacts to soils are further discussed in Exhibit I. OAR  
4 345-022-0120 contains rules for waste minimization. Material waste minimization tasks are  
5 discussed in Exhibit V. Where Portland cement concrete (concrete) is not locally available,  
6 portable concrete batch plants will be placed at multi-use areas. Operation of concrete batch  
7 plants at multi-use areas will require Water Pollution Control Facility (WPCF) permits (WPCF-  
8 1200-A) in accordance with OAR 340-045-0033(10)(h). The portable batch plant permit  
9 requirement for a 1200-A stormwater permit is also stated on the cover sheet of the stormwater  
10 permit (ODEQ 2006). IPC will require its construction contractors to obtain a WPCF 1200-A  
11 permit and an Air Containment Discharge Permit (AGP-009) for portable batch plants from  
12 ODEQ, and will demonstrate compliance with on-site wastewater treatment regulations (OAR  
13 Chapter 340, Division 71) prior to and during construction. A 1200-A permit for gravel extraction  
14 will not be necessary as all gravel used on the Project will be obtained from commercial  
15 sources.

## 16 **3.0 ANALYSIS**

### 17 **3.1 Analysis Area**

18 Pursuant to the Project Order, the analysis area for Exhibit G is the Site Boundary, which is  
19 defined in OAR 345-001-0010(55) as “the perimeter of the site of a proposed energy facility, its  
20 related or supporting facilities, all temporary laydown and staging areas, and all corridors and  
21 micro-siting corridors proposed by the applicant.” The Site Boundary for the Project includes the  
22 following related and supporting facilities in Oregon:

- 23 • Proposed Corridor: 277.2 miles of 500-kilovolt (kV) transmission line corridor, 5.0 miles  
24 of double circuit 138/69-kV transmission line corridor, and 0.3 mile of 138-kV  
25 transmission line corridor.
- 26 • Alternate Corridor Segments: Seven alternate corridor segments consisting of  
27 approximately 134.1 miles that could replace certain segments of the Proposed Corridor.  
28 IPC has proposed these alternate corridor segments in order to allow flexibility for IPC  
29 and EFSC, as well as federal agencies, to reconcile competing resource constraints in  
30 several key locations.
- 31 • One proposed substation expansion of 3 acres; two alternate substation sites (one 3-  
32 acre substation expansion and one new 20-acre substation). IPC ultimately needs to  
33 construct and operate only one substation expansion or substation in the Boardman  
34 area.
- 35 • Eight communication station sites of less than one acre each in size; four alternate  
36 communication station sites along alternate corridor segments.
- 37 • Temporary and permanent access roads.
- 38 • Temporary multi-use areas, pulling and tensioning sites, and fly yards.

39 The features of the Project are fully described in Exhibit B and the Site Boundary for each  
40 Project feature is described in Exhibit C, Table C-21. The location of the Project (Site Boundary)  
41 is outlined in Exhibit C.

## 1 **3.2 Methods**

2 Estimated quantities of industrial and hazardous materials were provided by IPC's engineering  
3 group and IPC's engineering contractor, Pike Energy Solutions (Pike). IPC and Pike have  
4 experience that qualifies them to make these estimates as detailed in Exhibit D. Materials  
5 expected to be used were determined by evaluating preliminary engineering design against the  
6 length of the Proposed Corridor and alternate corridor segments. Preliminary engineering  
7 evaluations estimated the number of multi-use areas, communication stations and number of  
8 transmission towers. These estimates were used to evaluate the location and number of  
9 transmission line towers, insulators, conductors, and substation equipment. Engineering  
10 evaluations have also reviewed the location of known roads that could be available for Project  
11 construction and access, and the location and length of new roads have been estimated. The  
12 planning of transmission tower and access road locations was used to estimate the quantities of  
13 concrete, aggregates and fill materials, and blasting and reclamation supplies that will be  
14 required. Road and stream crossing types and locations are documented in Exhibits B and C,  
15 which allowed for an estimate of the number of culverts and road crossing materials.

16 Hazardous materials were determined using the known processes required for transmission line  
17 construction. This includes herbicides necessary to control vegetation growth beneath the  
18 transmission lines. Most of the hazardous materials are associated with fuel and other liquid  
19 materials required to operate vehicles and construction equipment. They are either temporarily  
20 stored at the multi-use areas during construction, or brought on-site during construction or  
21 operations in service vehicles.

## 22 **3.3 Information Required by OAR 345-021-0010(1)(g)**

### 23 **3.3.1 Industrial Materials Inventory**

#### 24 **OAR 345-021-0010(1)(g)(A)**

25 An inventory of substantial quantities of industrial materials flowing into and out of the proposed facility  
26 during construction and operation;

27 IPC has anticipated the materials needed to construct and operate the Project and plans to  
28 establish multi-use areas and fly yards for temporary storage of industrial materials, supplies,  
29 and equipment. Table G-1 provides a list of industrial materials to be used during Project  
30 construction based on engineering estimates for the Project. The alternate Longhorn Substation  
31 or Horn Butte Substation, if constructed, would require similar materials to those listed for the  
32 Grassland Substation. The materials list will be further developed when final design of the  
33 Project is complete.

34 Concrete will be obtained from commercial sources where available or from Project-related  
35 portable batch plants. Portable batch plants, if needed, will be placed at selected multi-use  
36 areas. Multi-use areas are placed at intervals of approximately every 40 miles. These facilities  
37 will require storage of cement, sand, gravel, and water for concrete mixing. Other construction  
38 materials (pit run, aggregate base, gravel, cobbles/stone) will also be distributed at multi-use  
39 areas for use in road building or for stormwater best management practices.

**Table G-1. Construction Materials Inventory for Project Construction**

<b>Material</b>	<b>Ultimate Disposition</b>	<b>Units</b>	<b>Quantity</b>
<b>Structures and Wire</b>			
Concrete for Structure Foundations	Remains on site as structure footings	cubic yards	41,859
500-kV lattice structures (Avg. weight = 20 tons each)	Used on-site for power transmission	number	1,173
500-kV H-frame structures (Avg. weight = 29 tons each)	Used on-site for power transmission	number	43
138/69-kV monopole structures (Avg. weight = 9 tons each)	Used on-site for power transmission	number	72
Conductor (Avg. weight = 3.8 tons per mile)	Used on-site for power transmission	miles	2,621
Insulator strings	Used on-site for power transmission	number	11,502
Distribution Underbuild Insulator	Used on-site for power transmission	number	408
Steel overhead ground wire (weighs 1.4 tons per mile)	Used on-site for power transmission	miles	292
Optical ground wire (weight = 1.1 tons per mile)	Used for communications for system operations	miles	292
<b>Communication Stations</b>			
Communication shelters	Used for communication signal regeneration	number	8
Concrete for Communication Shelters Foundations	Remains on site as foundations	cubic yards	80
External propane fuel storage tank	Used to provide backup power to communications station	number	8
<b>Grassland Substation</b>			
Concrete for Grassland Substation Foundation	Remains on site as foundation	cubic yards	928
500-kV Breaker, Areva, 4000-A,63-k (535A and 536A)	Used on-site for power transmission	number	2
500-kV Breaker, Areva, 2000-A,63-k (504W)	Used on-site for power transmission	number	1
500-kV Breaker, Areva, 2000-A,40-k (511Z and 512Z)	Used on-site for power transmission	number	2
500-kV, 2000-A switches with MO ( 511X and 512X)	Used on-site for power transmission	number	2
500-kV, 4000-A switches with MO (504E, 535B, 535C, 536B and 536C)	Used on-site for power transmission	number	5
500-kV, 4000-A/2000-A grounding disconnect switch (504M and 504N)	Used on-site for power transmission	number	2
500-kV CVT (1-Phase)	Used on-site for power transmission	number	5
500-kV CVT with line tuner	Used on-site for power transmission	number	1
500-kV 3000a-Wave trap with line tuner (1-Phase)	Used on-site for power transmission	number	1
354-kV surge arrester (1-Phase)	Used on-site for power transmission	number	3
550-kV surge arrester (1-Phase)	Used on-site for power transmission	number	3
144-kV arrestor	Used on-site for power transmission	number	1
(1) Single-phase neutral shunt reactor 29.418 Mvar (L510)	Used on-site for power transmission	number	1
550/317.54-kV shunt inductor (L511)	Used on-site for power transmission	number	1

**Table G-1.** Construction Materials Inventory for Project Construction (continued)

<b>Material</b>	<b>Ultimate Disposition</b>	<b>Units</b>	<b>Quantity</b>
550/317.54-kV shunt inductor (L512)	Used on-site for power transmission	number	1
500-kV 507.4 MVAR series capacitor (C504)	Used on-site for power transmission	number	1
500-kV dead-end assemblies for substation overhead strain bus	Used on-site for power transmission	lot	1
500-kV overhead conductor and static wire dead-end assembly	Used on-site for power transmission	lot	1
500-kV bus work and miscellaneous connectors	Used on-site for power transmission	lot	1
500-kV structure and equipment grounding material	Used on-site for power transmission	lot	1
New control building	Used on-site for power transmission	lot	1
Duplex panel with relays and controls	Used on-site for power transmission	lot	1
<b>Access Roads, Stream Crossings, and Restoration</b>			
Pit run	Remains on-site as fill	cubic yards	13,700
Aggregate base	Remains on-site as foundation support or road surface	cubic yards	115,766
Pea gravel	Remains on-site as culvert bedding	cubic yards	18
Cobbles/stone	Remains on-site for erosion prevention or creek crossing road bed	cubic yards	150
Filter fabric/stabilization fabric	Used on-site for construction	square yards	95,200
Culverts (HDPE, Concrete and Corrugated Metal)	Remains on-site for drainage and stormwater control	number	131
Channel Spanning Structures (Temporary)	Removed and recycled or disposed	each	2
Silt fence or fiber roll	Used for sediment control	miles	174
Spill absorbent material	Used to contain liquid spills if needed	containers	250
Native grass seed	Used for erosion control, reseeding and restoration	pounds	50,400
<b>Fencing and Gates</b>			
Chain link fencing	Substation Fencing, Communication Station Fencing	feet	7,300
Barbed wire fence	Replace damaged fence or add per landowner request	miles	10
Gates	Remains on site for access control	number	35
Multiuse area fencing (temporary)	Removed and recycled or disposed	feet	66,930
<b>Erosion Control</b>			
Fiber roll wattles	Removed and recycled or disposed	miles	220
Erosion Control Matting	Remains on site for long term erosion control	rolls	666

1 To assess the availability of concrete and aggregates for the Project, providers were contacted  
 2 by telephone and letter. A total of 16 concrete and aggregate suppliers were identified. Of the  
 3 16 aggregate suppliers identified, phone conversations were conducted with 14 of them, 4 of  
 4 whom also responded with a letter.

5 Attachment G-1 contains a summary of the aggregate suppliers contacted by telephone.  
 6 Attachment G-2 contains copies of the letters sent to the concrete and aggregate suppliers.  
 7 Attachment G-3 contains copies of letters received from suppliers who responded to the IPC  
 8 availability letter. Results of the inquiries indicate there are suppliers distributed along the  
 9 corridor, and adequate supplies to provide for Project requirements.

10 Estimated volumes of water to be used for all purposes, including concrete batching and dust  
 11 abatement, are presented in Exhibit O.

12 Table G-2 provides a list of materials estimated for use on the Project for a typical 5-year period  
 13 during the operations phase. Operations phase materials are variable and dependent upon the  
 14 maintenance or repair events that occur. It is possible that no materials would be required  
 15 during a typical 5-year period. However, Table G-2 provides for minimal replacement of  
 16 materials that are sometimes lost, damaged, or stolen, including insulators, copper wire, or  
 17 culverts. Operations phase materials will be delivered to the required location at the time  
 18 needed. There are no plans to regularly store materials or maintain inventories of materials on-  
 19 site during the operations phase.

20 **Table G-2. Materials Inventory for Operations (Typical Five-Year Estimate)**

Material	On-Site Storage	Ultimate Disposition	Units	Quantity
<b>Transmission Line Components</b>				
Insulator bells	No	Used to replace broken insulators	number	100
Copper Wire for Tower Grounds	No	Used to replace damaged or stolen copper wire grounding	feet	5,000
<b>Road Maintenance</b>				
Aggregate base	No	Used for road repair/stabilization	cubic yards	225
Culvert	No	Used to repair washed out or failed culverts	each	5

21

### 22 **3.3.2 Hazardous Substance Management**

#### 23 **OAR 345-021-0010(1)(g)(B)**

24 The applicant's plans to manage hazardous substances during construction and operation, including  
 25 measures to prevent and contain spills; and

26 Table G-3 provides a summary of explosives and hazardous materials that will be used on the  
 27 Project. Hazardous materials include motor vehicle fuel, lubricants, and automotive fluids used  
 28 primarily in construction vehicles during the construction phase. During construction, motor fuel  
 29 and vehicle lubricants would be stored on-site in the multi-use areas. To protect surface water  
 30 from hazardous material impacts, the multi-use sites have been planned in upland areas at least  
 31 500 feet away from streams, 400 feet for public wells, and 200 feet from private wells. Any or all  
 32 of the multi-use areas could be used as construction-stage material storage locations,  
 33 depending on its location relative to current construction.

**Table G-3.** Explosives and Hazardous Materials Storage During Project Construction and Operations

Material	Project Need	Quantity/Units	Quantity	Storage Method
<b>Construction Phase</b>				
Gasoline	On-site vehicle fueling	gallons	14,000	At multi-use areas, in aboveground tanks with secondary containment
Diesel fuel	On-site vehicle fuel	gallons	14,000	At multi-use areas, in aboveground tanks with secondary containment
Diesel fuel	Generators for concrete batch plants	gallons	2,800	At multi-use areas, in aboveground tanks with secondary containment
Motor oil	Used on-site for construction vehicles	gallons	1,500	Stored in mechanic vehicles or multi-use areas
Antifreeze	Used on-site for construction vehicles	gallons	2,000	Stored in mechanic vehicles or multi-use areas
Transmission fluid	Used on-site for construction vehicles	gallons	1,000	Stored in mechanic vehicles or multi-use areas
Hydraulic fluid	Used on-site for construction vehicles	gallons	1,000	Stored in mechanic vehicles or multi-use areas
Detergents	Used on-site for construction vehicles	gallons	200	Stored in mechanic vehicles or multi-use areas
Lubricants	Used on-site for construction vehicles	gallons	200	Stored in mechanic vehicles or multi-use areas
Paint/solvent	Used on-site	gallons	200	Stored in mechanic vehicles or multi-use areas
Herbicide (concentrate)	Used on-site for weed control	gallons	4,750	Stored in multi-use areas
Shock tube (lead line)	Bedrock Removal	feet	36,640	All blasting materials will be stored in approved containers per NFPA 495 and OAR 837-012-1340
Blasting caps	Bedrock Removal	number	85,680	All blasting materials will be stored in approved containers per NFPA 495 and OAR 837-012-1340
Cast booster (ammonium nitrate based)	Bedrock Removal	pounds	207,121	All blasting materials will be stored in approved containers per NFPA 495 and OAR 837-012-1340
Implosive conductor Deadend Assemblies	Used for conductor deadends	each	3,411	All blasting materials will be stored in approved containers per NFPA 495 and OAR 837-012-1340

**Table G-3.** Explosives and Hazardous Materials Storage During Project Construction and Operations (continued)

<b>Material</b>	<b>Project Need</b>	<b>Quantity/Units</b>	<b>Quantity</b>	<b>Storage Method</b>
Implosive conductor Splices	Used to splice conductor sections	each	1,490	All blasting materials will be stored in approved containers per NFPA 495 and OAR 837-012-1340
Implosive Shield Wire Deadends	Used for shield wire deadends	each	399	All blasting materials will be stored in approved containers per NFPA 495 and OAR 837-012-1340
Implosive Shield Wire Splices	Used for shield wire sections	each	149	All blasting materials will be stored in approved containers per NFPA 495 and OAR 837-012-1340
<b>Operations Phase (Typical Five-Year Estimate)</b>				
<b>Liquid or hazardous materials</b>				
Liquid propane	Used at communication stations to fuel backup generators	gallons	20,000	At communications systems in underground tanks
Herbicide	Used on-site for weed control	gallons	400	Delivered to site when needed, then hand applied under manufacturer directions to control vegetation

Note: Quantities reflect the maximum expected volume on the Project at any one time, including fuel in on-site refueling trucks and construction vehicles.

NFPA – National Fire Protection Association; OAR – Oregon Administrative Rule

1 Hazardous materials will be segregated when stored within the multi-use areas. Hazardous  
2 materials will be stored in approved containers and clearly labeled. The construction contractor  
3 will maintain an inventory of all hazardous materials used and corresponding material safety  
4 data sheets (MSDSs). The construction contractor will maintain copies of the required MSDSs  
5 for each hazardous chemical, and will ensure they are readily accessible during each work shift,  
6 to all employees when they are in their work areas. MSDSs will also be kept in service and  
7 refueling vehicles. The MSDSs will provide basic emergency response information for small and  
8 large releases of each hazardous material. If bulk hazardous materials are used, the  
9 Emergency Response Guidebook, produced by the U.S. Department of Transportation, also will  
10 be used to prepare for emergencies.

11 Motor fuel will be stored in the segregated hazardous materials storage area of multi-use areas.  
12 Fuel will be stored in aboveground storage tanks (ASTs). Gasoline and diesel fuel ASTs for  
13 construction vehicles and equipment will be approximately 1,000-gallon capacity and up to one  
14 of each may be stored at a multi-use area. Five-hundred-gallon ASTs containing diesel fuel may  
15 be located in select multi-use areas to fuel generators for portable concrete batch plants. The  
16 Environmental Protection Agency regulates ASTs under provisions of 40 Code of Federal  
17 Regulations (CFR), Part 112. Use and location of ASTs on Oregon sites are regulated by the  
18 Uniform Fire Code and enforced by the Oregon State Fire Marshal. A State Fire Marshal permit  
19 will be required for any individual fuel tank exceeding 1,100 gallons in capacity. The ODEQ  
20 does not regulate ASTs in Oregon unless they are greater than 10,000 gallons in capacity and  
21 no tanks of that size will be used for this Project. Fuel ASTs will be located within secondary  
22 containment consisting of soil berms with capacity of at least 10 percent greater than the  
23 volume of the AST.

24 To comply with fuel storage requirements, IPC will require its construction contractor to prepare  
25 a Spill Prevention, Containment, and Countermeasures Plan (SPCC Plan). The SPCC Plan will  
26 comply with 40 CFR, Part 112, and will include site-specific implementation of cleanup  
27 procedures in the event of soil contamination from spills or leaks of fuels, lubricants, coolants, or  
28 solvents. The SPCC Plan will identify applicable legal and contractual requirements, Project-  
29 specific spill prevention procedures, and other stipulations and methods to address Project spill  
30 prevention, response, and cleanup procedures. Proposed fuel storage areas, vehicle  
31 maintenance areas, and other areas that may be used for storage of materials that could result  
32 in a spill are discussed in Exhibit B. In general, such areas will be limited to multi-use areas or  
33 fly yards.

34 Fuel ASTs and motor vehicle fluids will be removed from the multi-use areas as soon as  
35 construction is complete in any particular area. No fuel or vehicle fluid storage will occur after  
36 the construction phase.

37 Concentrated liquid herbicides will be stored in the hazardous materials portion of multi-use  
38 areas during construction.

39 During construction, hazardous materials will be delivered to the Project as needed, unless  
40 regular use requires storage at the multi-use areas. During operations, small amounts (less than  
41 20 gallons per year) will be used to control vegetation. No herbicide will be stored on-site during  
42 the operations phase. Herbicides will be brought to the site as needed. No hazardous materials  
43 of any type will be stored on-site during the operations phase.

44 IPC will fully comply with ODEQ requirements for storage of hazardous materials and cleanup  
45 and disposal of hazardous waste on all lands associated with the Project. ODEQ Hazardous  
46 Waste and Materials Statutes are found in ORS Chapters 465 and 466.

1 Explosives (considered a class of hazardous material) will be used for blasting rock where  
2 needed. Explosive line hardware will be used to terminate and splice the conductor. The use,  
3 storage, and other details pertaining to the use of explosives will be conducted in accordance  
4 with a Project Blasting Plan. The blasting plan will be developed following site-specific  
5 geotechnical investigation. Regulated blasting materials will be stored in accordance with the  
6 National Fire Protection Association 495: Explosive Materials Code and OAR 837-012-1340.

7 Each Project communications station will contain a buried liquefied petroleum gas (propane)  
8 tank to be used for emergency power in the event of temporary loss of electrical power.  
9 Propane tanks will be installed, maintained, and operated in accordance with State Fire Marshal  
10 rules OAR Chapter 837, Division 030. Propane fuel containers do not require secondary  
11 containment structures.

12 IPC and construction contractors will minimize the amount of hazardous materials needed for  
13 the Project by using alternative nonhazardous substances when available, recycling usable  
14 material such as oils, paints, and batteries to the maximum extent feasible, and filtering and  
15 reusing solvents and thinners whenever possible. Pesticides and herbicides will be used  
16 according to labeling and in accordance with IPC's Vegetation Management Plan (attached to  
17 Exhibit P) and applicable regulations.

18 Persons responsible for handling or transporting hazardous materials for the Project will be  
19 familiar with State Fire Marshal and ODEQ laws, policies, procedures, and mitigation measures  
20 related to handling and transportation.

21 The Project may generate small quantities of hazardous waste. Hazardous waste may include  
22 small remnants of hazardous substances remaining in containers. Accidental spills or leaks of  
23 motor fuel, vehicle fluids, or chemicals may also result in small quantities of hazardous waste.  
24 Hazardous waste spills will be cleaned up promptly. Spill kits containing items such as  
25 absorbent pads will be located on equipment and in each multi-use area containing hazardous  
26 materials to ensure a quick response to spills. If hazardous spills in excess of reportable  
27 quantities, as identified in OAR 340-142-0050, contact the ground surface, ODEQ and ODOE  
28 will be notified, and excavation of contaminated soil initiated. Hazardous materials and cleanup  
29 equipment will be stored in approved containers until they can be properly transported and  
30 disposed of at an approved treatment, storage, and disposal (TSD) facility. Hazardous waste  
31 will be disposed of by a licensed contractor. Further information will be provided in the Project  
32 SPCC Plan.

### 33 **3.3.3 Non-Hazardous Solid Waste Management**

34 **OAR 345-021-0010(1)(g)(C)**

35 The applicant's plans to manage non-hazardous waste materials during construction and operation;

36 IPC will fully comply with applicable non-hazardous waste handling and disposal regulations on  
37 all lands associated with the Project during construction and operations. Solid waste will be  
38 stored in a manner that does not constitute a fire, health, or safety hazard until it can be hauled  
39 off for recycling or disposal, as appropriate. Exhibit V provides details on the types and amounts  
40 of waste, and procedures and systems for handling and disposal of non-hazardous waste  
41 materials.

## 1 4.0 CONCLUSIONS

2 Exhibit G fulfills the requirements of OAR 345-021-0010(1)(g), and establishes that the Project  
3 complies with all provisions of Oregon laws related to hazardous materials identified in the  
4 Project Order. Accordingly, IPC has demonstrated that it complies with the Council's general  
5 standard of review found in OAR 345-022-0000(1)(b).

## 6 5.0 SUBMITTAL AND APPROVAL COMPLIANCE MATRICES

7 Table G-4 provides cross references between the Exhibit submittal requirements of OAR 345-  
8 021-0010 and where discussion can be found in the Exhibit.

9 **Table G-4.** Submittal Requirements Matrix

Requirement	Location
<b>OAR 345-021-0010(1)(g)</b>	
<b>(g) Exhibit G.</b> A materials analysis including:	
(A) An inventory of substantial quantities of industrial materials flowing into and out of the proposed facility during construction and operation;	Section 3.3.1
(B) The applicant's plans to manage hazardous substances during construction and operation, including measures to prevent and contain spills; and	Section 3.3.2
(C) The applicant's plans to manage non-hazardous waste materials during construction and operation;	Section 3.3.3
<b>Project Order Section V (g) Comments</b>	
See discussion in Section I(d) of this project order regarding ODEQ Land Quality Division's requirements for hazardous materials used and stored at the facility, or at temporary access and laydown areas. The Department also uses the materials analysis to identify any hazardous materials whose management and storage could affect the cost of site restoration because of the possibility of spills. The applicant should ensure that the application addresses any proposed fuel storage areas, vehicle maintenance areas, or other areas that will be utilized for activities that could result in a spill of a hazardous substance.	Section 3.3.2

## 10 6.0 RESPONSE TO COMMENTS FROM REVIEWING AGENCIES AND 11 THE PUBLIC

12 Table G-5 cross references comments cited in the Project Order from reviewing agencies and  
13 the public and where discussion can be found in the Exhibit.

14 **Table G-5.** Reviewing Agency and Public Comments

Requirement	Location
<b>Project Order Section VIII (g) Comments</b>	
<b>Comments Related to General Standard of Review (OAR 345-022-0000)</b>	
If the applicant proposes gravel mining and concrete batch plants as related and supporting facilities under Council rule, a WPCF-1000 permit is required pursuant to OAR 340-045-0033(6).	Section 2.0
The applicant should ensure that the application addresses any proposed fuel storage areas, vehicle maintenance areas, or other areas that will be utilized for activities that could result in a spill of a hazardous substance.	Section 3.3.2

1 **7.0 REFERENCES**

- 2 ODEQ (Oregon Department of Environmental Quality). 2006. General Permit, National Pollutant  
3 Discharge Elimination System Storm Water Discharge Permit (Permit No. 1200-A).  
4 Available online at:  
5 <http://www.deq.state.or.us/wq/wqpermit/docs/general/npdes1200a/permit2012.pdf>

**ATTACHMENT G-1  
TELEPHONE COMMUNICATION WITH CONCRETE AND  
AGGREGATE SUPPLIERS**

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**Table G-1-1.** Communication with Concrete and Aggregate Suppliers

County	Supplier	Material	Estimated Concrete (cu. yds.) <sup>1</sup>	Estimated Aggregate (cu. yds.) <sup>1</sup>	Adequate Supply?	Contact Person	Date Contacted by Phone
Morrow	Central Pre-mix of Oregon Boardman, OR	Concrete and aggregates (both)	12,000 to 12,500	17,500 to 18,000	yes	Pete Patrick (541) 922-3416	3/8/2012
Morrow	Rinker Materials Boardman, OR	Aggregate	Does not supply	17,500 to 18,000	yes	Tom Sayer (541) 481-9246	3/8/2012
Umatilla	Umatilla Ready Mix Pendleton, OR	Both	13,000	19,000 to 19,500	Yes	Dustin Scott (541) 276-2441	3/8/2012
Umatilla	Umatilla Ready Mix Hermiston, OR	Both	13,000	19,000 to 19,500	Yes	Dustin Scott (541) 276-2441	3/8/2012
Umatilla	Central Pre-mix of Oregon Hermiston, OR	Both	13,000	19,000 to 19,500	yes	Pete Patrick (541) 922-3416	3/8/2012
Umatilla	Hermiston Rock Products Hermiston, OR	Both	13,000	19,000 to 19,500	yes	Don Hampton (541) 567-7625	3/8/2012
Umatilla	Pendleton Ready Mix Pendleton, OR	Both	13,000	19,000 to 19,500	yes	Jayne Clarke (541) 276-6951	3/8/2012
Umatilla	Barnhart Rock Inc. Pendleton, OR	Aggregate	Does not Supply	19,000 to 19,500	yes	Carol Swanson (541) 276-4104	3/8/2012
Union	RD Mac Inc. La Grande, OR	Both	10,500 to 11,000	15,000 to 15,500	yes	Mike Good (541) 963-8601	3/9/2012
Baker	Britt Sand and Gravel Baker City, OR	Both	18,500 to 19,000	26,500 to 27,000	yes	Tony Britt (541) 523-4974	3/12/2012
Malheur	Clearwater Concrete Nyssa, OR	Both	19,500 to 20,000	28,000	yes	Ed Hattrup (541) 271-6067	3/8/2012
Malheur	Clearwater Concrete Ontario, OR	Both	19,500 to 20,000	28,000	yes	Ed Hattrup (541) 271-6067	3/8/2012
Malheur	Bellows Sand and Gravel Ontario, OR	Aggregate	Does not supply	28,000	yes	Duane Bellows (541) 889-5916	3/8/2012

<sup>1</sup> County concrete and aggregate estimates were made by noting the total engineer's estimate for these materials (see Table G-1) and assuming proportional amounts per county based on route length per county.

**ATTACHMENT G-2**  
**LETTERS TO CONCRETE AND AGGREGATE SUPPLIERS**

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March 15, 2012

Mr. Pete Patrick  
Central Pre-Mix of Oregon  
11919 Harris Rd  
Pasco WA 99301

**Subject:** Availability of Concrete and Aggregate

Dear Mr. Patrick:

On March 8, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Morrow County, engineering estimates are for approximately 12,500 cubic yards (cu yds) of concrete for transmission tower foundations, and about 18,000 cu yards of aggregate, predominantly for facility pads or road surfacing. In Umatilla County, the quantities are estimated at 14,000 cu yards of concrete and 20,000 cu yards of aggregate.

You informed Tetra Tech that Central Pre-mix of Oregon has concrete and aggregate facilities in Boardman and Hermiston, Oregon. You stated that Central Pre-Mix would be willing to be placed in the permit as a potential supplier of concrete and aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of concrete and aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

*Keith Georgeson*

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Tom Sayer  
Rinker Materials  
P.O. Box 1030  
Boardman, OR 97818

Subject: Availability of Aggregate

Dear Mr. Sayer:

On March 8, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Morrow County, engineering estimates are for approximately 18,000 cubic yards (cu yds) of aggregate, predominantly for facility pads or road surfacing. In Umatilla County, the aggregate quantities are estimated at 20,000 cu yds.

You informed Tetra Tech that Rinker Materials in Boardman, Oregon would be willing to be placed on a list of potential suppliers of aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

*Keith Georgeson*

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Dustin Scott  
Umatilla Ready Mix  
PO Box 775  
Hermiston, OR 97838

**Subject:** Availability of Concrete and Aggregate

Dear Mr. Scott:

On March 8, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Umatilla County, engineering estimates are for approximately 14,000 cubic yards (cu yds) of concrete for transmission tower foundations, and about 20,000 cu yds of aggregate, predominantly for facility pads or road surfacing. In Union County, the quantities are estimated at 11,000 cu yds of concrete and 16,000 cu yds of aggregate.

You informed Tetra Tech that Umatilla Ready Mix has concrete and aggregate facilities in Pendleton, Oregon and Hermiston, Oregon. You indicated that Umatilla Ready Mix would be willing to be placed on a list of potential suppliers of concrete and aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of concrete and aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

*Keith Georgeson*

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Don Hampton  
Hermiston Rock Products  
PO Box 218  
Hermiston, OR 97838

**Subject:** Availability of Concrete and Aggregate

Dear Mr. Hampton:

On March 8, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Umatilla County, engineering estimates are for approximately 14,000 cubic yards (cu yds) of concrete for transmission tower foundations, and about 20,000 cu yds of aggregate, predominantly for facility pads or road surfacing. In Union County, the quantities are estimated at 11,000 cu yds of concrete and 16,000 cu yds of aggregate.

You informed Tetra Tech that Hermiston Rock Products has concrete and aggregate facilities in Hermiston, Oregon and aggregate facilities in Pendleton. You indicated that Hermiston Rock Products would be willing to be placed in the permit as a potential supplier of concrete and aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of concrete and aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

*Keith Georgeson*

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Ms. Jayne Clarke  
Pendleton Ready Mix  
PO Box 38  
Hermiston, OR 97838

**Subject:** Availability of Concrete and Aggregate

Dear Ms. Clarke:

On March 8, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Umatilla County, engineering estimates are for approximately 14,000 cubic yards (cu yds) of concrete for transmission tower foundations, and about 20,000 cu yds of aggregate, predominantly for facility pads or road surfacing. In Union County, the quantities are estimated at 11,000 cu yds of concrete and 16,000 cu yds of aggregate.

You informed Tetra Tech that Pendleton Ready Mix has concrete and aggregate facilities in Pendleton, Oregon. You indicated that Pendleton Ready Mix would be willing to be placed in the permit as a potential supplier of concrete and aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of concrete and aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

*Keith Georgeson*

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Ms. Carol Swanson  
Barnhart Rock Inc.  
39929 Rieth Road  
Pendleton, OR 97811

Subject: Availability of Aggregate

Dear Ms. Swanson:

On March 8, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Umatilla County, engineering estimates are for approximately 20,000 cubic yards (cu yds) of aggregate, predominantly for facility pads or road surfacing. In Union County, the quantities are estimated at 16,000 cu yds of aggregate.

You informed Tetra Tech that Barnhart Rock Products in Pendleton, Oregon would be willing to be placed on a list of potential suppliers of aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of aggregate products. If this letter accurately summarizes our telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

A handwritten signature in black ink that reads "Keith Georgeson". The signature is written in a cursive style with a prominent initial "K".

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Mike Good  
RD Mac Inc.  
PO Box 1086  
La Grande, OR 97850

**Subject:** Availability of Concrete and Aggregate

Dear Mr. Good:

On March 8, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Union County, engineering estimates are for approximately 11,000 cubic yards (cu yds) of concrete for transmission tower foundations, and about 16,000 cu yds of aggregate, predominantly for facility pads or road surfacing. In Baker County, the quantities are estimated at 19,000 cu yds of concrete and 27,000 cu yds of aggregate.

You informed Tetra Tech that RD Mac has concrete and aggregate facilities in La Grande, Oregon. You indicated that RD Mac would be willing to be placed in the permit as a potential supplier of concrete and aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of concrete and aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

*Keith Georgeson*

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Tony Britt  
Britt Sand and Gravel  
20164 South Airport Lane  
Baker City, OR 97814

**Subject:** Availability of Concrete and Aggregate

Dear Mr. Britt:

On March 12, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Baker County, engineering estimates are for approximately 19,000 cubic yards (cu yds) of concrete for transmission tower foundations, and about 27,000 cu yds of aggregate, predominantly for facility pads or road surfacing.

You informed Tetra Tech that Britt Sand and Gravel has concrete and aggregate facilities in Baker City, Oregon. You indicated that Britt Sand and Gravel would be willing to be placed in the permit as a potential supplier of concrete and aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of concrete and aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

A handwritten signature in black ink that reads "Keith Georgeson". The signature is written in a cursive, flowing style.

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Ed Hattrup  
Clearwater Concrete  
PO Box 2270  
McCall, ID 83638

**Subject:** Availability of Concrete and Aggregate

Dear Mr. Hattrup:

On March 12, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Malheur County, engineering estimates are for approximately 20,000 cubic yards (cu yds) of concrete for transmission tower foundations, and about 28,000 cu yds of aggregate, predominantly for facility pads or road surfacing.

You informed Tetra Tech that Clearwater Concrete has concrete and aggregate facilities in Ontario and Nyssa, Oregon. You indicated that Clearwater Concrete would be willing to be placed in the permit as a potential supplier of concrete and aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of concrete and aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

A handwritten signature in black ink that reads "Keith Georgeson". The signature is written in a cursive style with a prominent initial 'K'.

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Duane Bellows  
Bellows Sand and Gravel  
527 Sunset Drive  
Ontario, OR 97914

Subject: Availability of Aggregate

Dear Mr. Bellows:

On March 12, 2012 your business was contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Malheur County, engineering estimates are for approximately 20,000 cubic yards (cu yds) of concrete for transmission tower foundations, and about 28,000 cu yds of aggregate, predominantly for facility pads or road surfacing.

Your office indicated that Bellows Sand and Gravel in Ontario, Oregon would be willing to be placed on a list of potential suppliers of aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year interval.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,

*Keith Georgeson*

Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Jim Mendiola  
Mendiola Gravel Products  
3997 Kochsmeier Road  
Vale, OR 97918

Subject: Availability of Aggregate

Dear Mr. Mendiola:

On March 8, 2012 our environmental contractor, Paul Spillers at Tetra Tech left a telephone message to inform you that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Malheur County, engineering estimates are for approximately 28,000 cubic yards (cu yds) of aggregate, predominantly for facility pads or road surfacing.

If Mendiola Gravel Products is interested in being added to the permit as a potential aggregate supplier for this project, please provide a written response to this letter stating your interest and your capability of supplying predominantly road mix-type aggregates for a project of this size.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,



Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Wayne Irwin  
Irvco Asphalt and Gravel  
5295 Highway 95  
Fruitland, ID 83619

Subject: Availability of Aggregate

Dear Mr. Irwin:

On March 8, 2012 our environmental contractor, Paul Spillers at Tetra Tech left a telephone message to inform you that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Malheur County, engineering estimates are for approximately 28,000 cubic yards (cu yds) of aggregate, predominantly for facility pads or road surfacing.

If Irvco Asphalt and Gravel is interested in being added to the permit as a potential aggregate supplier for this project, please provide a written response to this letter stating your interest and your capability of supplying predominantly road mix-type aggregates for a project of this size.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,



Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

March 15, 2012

Mr. Troy Donoho  
Donoho Inc.  
PO Box 713  
Payette, ID 83661

Subject: Availability of Aggregate

Dear Mr. Donoho:

On March 8, 2012 you were contacted by our environmental contractor, Paul Spillers at Tetra Tech to discuss that Idaho Power is in the permitting stage of a project to construct a transmission line in eastern Oregon, from approximately Boardman, Oregon into southwest Idaho. As a part of the permitting process, Idaho Power must demonstrate that construction materials are available within eastern Oregon in sufficient quantities to construct the project. In Malheur County, engineering estimates are for approximately 28,000 cubic yards (cu yds) of aggregate, predominantly for facility pads or road surfacing.

You informed Tetra Tech that Donoho Inc. has aggregate facilities for Malheur County sites via your facilities in Payette, Idaho. You indicated that Donoho Inc. would be willing to be placed in the permit as a potential supplier of aggregate products, and the quantities of materials discussed by telephone are within your capabilities, given that construction would be spread over a several year period.

We appreciate your interest in this project. IPC currently is seeking permits for the Project via Oregon's Department of Energy, Energy Facilities Siting Council (EFSC). Permitting requirements include providing evidence you are able to supply the required amounts of aggregate products. If this letter accurately summarizes the telephone conversation, it would be helpful to the permitting process to receive from you a written acknowledgement of your capabilities to provide the above mentioned materials and be placed in the permit as a potential provider.

We appreciate your attention to this matter. If you have questions or comments, please contact us at your convenience.

Respectfully submitted,



Keith Georgeson  
Project Leader  
Boardman to Hemingway Project  
208-388-2034  
[kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

**ATTACHMENT G-3**  
**LETTERS FROM CONCRETE AND AGGREGATE SUPPLIERS**

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**ANDERSON**  
**ROD ANDERSON CONSTRUCTION, INC**  
4531 NW 'A' AVENUE  
PENDLETON, OREGON 97801

April 10, 2012

Idaho Power  
PO Box 70  
Boise, ID 83707

Attention: Keith Georgeson

Re: Availability of Aggregate

Dear Keith:

This letter is in response to your letter written to Barnhart Rock Inc. dated March 26, 2012, regarding the availability of aggregate for the Boardman to Hemingway Project.

Barnhart Rock LLC a rock quarry located just outside of Pendleton Oregon is a subsidiary of Rod Anderson Construction, Inc. Barnhart Rock LLC is capable of supplying the approximate 20,000 cubic yards of aggregate needed for this project. Barnhart Rock LLC is willing to be placed on your list of potential suppliers for the aggregate material.

Rod Anderson Construction, Inc has other rock pits in the area of the new transmission line as well as a portable crusher. Rod Anderson Construction, Inc is also a full service excavation company and would be interested in any construction opportunities you may have regarding this project.

Sincerely,

  
Rodney L. Anderson  
President





# BRITT SAND & GRAVEL



## FARWEST CONCRETE

P.O. BOX 966 BAKER CITY, OR 97814  
(541) 523-4974 FAX: (541) 523-4204 CCB #91014

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MAY 2, 2012

Idaho Power  
Attn: Keith Georgeson  
1221 W. Idaho St.  
Boise, Idaho 83707

Dear Mr. Georgeson:

Regarding your letter of March 26, 2012 concerning the availability of Concrete and Aggregate for the permitting stages of the transmission line, I will give you a brief summary of the available resources that Britt Sand & Gravel, Farwest Concrete Company could provide.

Britt Sand & Gravel, Farwest Concrete Company appreciates the opportunity to provide an unsolicited proposal for the permitting process to Idaho Power for approximately 20,000 yards of concrete and 27,000 cu yards of aggregate for roads and facility pads.

### COMPANY HISTORY

Britt Sand & Gravel, Farwest Concrete Company has been in business since 1980. Farwest Concrete Co began in 1982 and our company acquired it in 1998. Our company has approximately 400 acres of mining and mineral rights for extraction of aggregate products. Our office headquarters are located at 20164 S. Airport Lane, Baker City. This site has approximately 160 acres and our permanent concrete batch plant is located here. The Dept. of Geology (DOGAMI) and Mining ID for this site is 01-0063. Our other resource is known as The Grey Eagle Mine and the (DOGAMI) Mine ID for this site is 01-0085. It is located within three miles of our main resource. Britt Sand & Gravel was chosen Business of the Year in 2003 by the Baker City Chamber of Commerce. It is a family owned business and has generously donated back to the community in supporting youth programs, 4-H, FFA, and numerous community charities.

### COMPANY RESOURCES

The concrete plant is equipped to provide 80-90 yards of concrete/hour. Our company has seven concrete mixers, six dump trucks and pup trailers, three heavy haul trucks with a Cozad Trailer capable of transporting 164,500#. Numerous off-road heavy haul trucks, excavators, dozers such as a Cat D7G, Cat D7H, John Deere 650H. Our company has a substantial amount of concrete ready mix designs that have been **certified** and **approved** on Oregon Dept. of Transportation (ODOT) highway projects. Our company can supply a plethora of fractured rock that meets these same ODOT specs, as well as city and county spec aggregate. There is an abundance of acreage at our office quarry if Idaho Power needs a staging yard for poles, transformers and/or other material.

### **PERSONNEL/COMMUNICATIONS**

There are approximately eight full time employees; during the busy construction season 10-12 employees at our operation. All vehicles are supplied with a private two-way radio. Employees are scheduled from 7:00 am until 3:30pm. When needed our drivers are available at 5:00am or earlier to begin their concrete pours. Satisfaction to our customers and producing quality products are our number one priorities. All employees are certified with First-Aid, RT-130 Fire Suppression, and MSHA (Mining & Safety Health Administration) certification.

I have enclosed a brief summary of projects that our company has done over the last five years. If you are in the area and would like a show me trip of our facility, please give me a call.

Sincerely,

A handwritten signature in blue ink that reads "Tony Britt". The signature is written in a cursive style with a small flourish above the letter 'i' in "Britt".

Tony Britt  
President  
Cell-(541) 519-7282

# BRITT SAND & GRAVEL FARWEST CONCRETE CO.

**P.O. Box 966  
Baker City, OR 97814  
CCB #91014**

**Phone: (541) 523-4974  
Phone: (541) 523-5116  
Fax: (541) 523-4204**

## Prior Projects

2008	City of Baker City	Baker City, Or	5,000 ton Chip Rock
2008	Wildish Standard Paving- Pleasant Valley Bridge	Baker County, Or	20,000 ton Rock
2008-2010	Knife River- I-84 Pleasant Valley	Baker County, Or	1,500 cy Concrete/18,000 ton Rock
	Knife River- "D" Street	Baker City, Or	500 cy Concrete/12,000 ton Rock
	Knife River- Birch Street	Baker City, Or	500 cy Concrete/10,000 to Rock
	Knife River- Dewey Ave.	Baker City, Or	1,000 cy Concrete/3,000 ton Rock
2009	Kirby Nagelhout-Grant Co. airport	John Day, Or	900 cy Concrete
2009	ML Houck- Bridge Crk fish passg	Grant County, Or	600 cy Concrete
2009	Phoenix Ind.- Ash Grove Cement	Durkee, Or	800 cy Concrete
2009	Mike Becker General Cont.- Baker County Airport	Baker County, Or	4,000 ton ¾" St. Spec Rock
2010	ODOT-U.S. Hwy 86	Baker County, Or	20,000 ton Rip Rap Rock
2010	ODOT-Baker Maint. Bldg.	Baker County, Or	2,000 cy Concrete/10,000 ton Rock
2011	Oregon Mainline Paving- I-84 Baldock Slough	Baker County, Or	50,000 ton Rock
2011	Kerr Contractors-Baker City Airport	Baker County, Or	400 cy Concrete/20,000 ton Rock
2011	D.L. Edmundson-Chico Lane	Baker County, Or	300 cy Concrete/10,000 ton Rock
2011	Rick Franklin Corp.- Union Pacific Derailment		5,000 ton Rock
2011	Rick Lane Const.- Maverick Station	Baker City, Or	1,500 cy Concrete/4750 ton Rock

**HERMISTON ROCK PRODUCTS, LLC**  
**Randall B. Hampton & Kevin A. Hampton, Members**  
**Construction Contractors Board #0109117**  
**P.O. Box 218 – Phone (541) 567 ROCK (7625)**  
**Hermiston, Oregon 97838**

April 3, 2012

Idaho Power  
1221 W. Idaho Street (83702)  
PO Box 70  
Boise, ID. 83707

Re: Availability of Aggregate and Concrete for Boardman to Hemingway Project.

Attn: Keith Georgeson Project Leader:

We received your letter dated March 26, 2012 regarding being contacted by Paul Spillers at Tetra Tech to discuss the availability of construction materials within Eastern Oregon.

I informed Tetra Tech that Hermiston Rock Products has aggregate and concrete materials in Hermiston, Oregon. In your letter it states that we also have aggregate facilities in Pendleton, OR, which is not the case. We do however have an aggregate and concrete facility located in La Grande, Oregon in Union County.

Rogers Asphalt and Paving/Redi-Mix Concrete is located at 10410 N. McAlister Road in La Grande, Oregon. We can be a potential supplier for aggregate and concrete products to your company in Union County. Rogers Asphalt Paving/Redi-Mix Concrete also has the capabilities to supply the materials and quantities discussed. In La Grande you may contact either Randall Hampton, or Kevin Hampton at 541-963-3633, P.O. Drawer K, La Grande, Oregon. [rasphalt@oregonwireless.net](mailto:rasphalt@oregonwireless.net)

We appreciate your considering either one or both of our firms for your project.

Sincerely,



Don Hampton  
Hermiston Rock Products, LLC  
541-567-7625 (rock)

# **IRVCO ASPHALT & GRAVEL,INC.**

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5295 HWY.95—P.O.BOX 931  
FRUITLAND,IDAHO 83619  
208-452-5835 PHONE  
208-452-5987 FAX  
IDAHO REGISTRATION # RCE-14870  
PUBLIC WORKS LICENSE # 13334-AAA-4 ( 02230,02720,02310,02740 )  
STATE OF OREGON LICENSE # 0116471

IDAHO POWER  
KEITH GEORGESON  
E-MAIL: [kgeorgeson@idahopower.com](mailto:kgeorgeson@idahopower.com)

4-3-12

RE: CONSTRUCTION MATERIAL SUPPLY FOR BOARDMAN TO HEMINGWAY PROJECT

KEITH,

I APOLOGIZE FOR NOT RETURNING YOUR CALL, BUT I NEVER GOT THE MESSAGE.  
YES, WE WOULD BE VERY INTERESTED IN SUPPLYING ROAD MIX FOR YOUR PROJECT.  
WE HAVE A PIT IN VALE THAT WE COULD SUPPLY FROM. WE WOULD NEED TO  
COORDINATE WITH YOU FAR ENOUGH IN ADVANCE TO GET THE MATERIAL CRUSHED.

PLEASE LET ME KNOW IF YOU NEED ANY MORE INFO.

THANKS,

GARY WALACE--MANAGER