

hw-20170331

```

<?xml version="1.0" encoding="us-ascii"?>
<! --XBRL document created with Merrell Bridge 7.0.61.0 -->
<! --Based on XBRL 2.1-->
<! --Created on: 4/28/2017 3:39:37 PM-->
<! --Modified on: 4/28/2017 3:39:37 PM-->
<xsd:schema xmlns: num="http://www.xbrl.org/dtr/type/numerical"
  xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns: xbrldt="http://xbrl.org/2005/xbrldt"
  xmlns: hw="http://www.headwaters.com/20170331"
  xmlns: invest="http://xbrl.sec.gov/invest/2013-01-31"
  xmlns: xl="http://www.xbrl.org/2003/XLink"
  xmlns: link="http://www.xbrl.org/2003/linkbase"
  xmlns: xlink="http://www.w3.org/1999/xlink"
  xmlns: xsd="http://www.w3.org/2001/XMLSchema"
  xmlns: attributeDefault="unqualified"
  xmlns: nonnum="http://www.xbrl.org/dtr/type/non-numerical"
  xmlns: xbrli="http://www.xbrl.org/2003/instance"
  xmlns: ref="http://www.xbrl.org/2006/ref" attributeDefault="unqualified"
  elementDefault="qualified" targetNamespace="http://www.headwaters.com/20170331"
  xmlns: dei="http://xbrl.sec.gov/dei/2014-01-31"
  xmlns: us-gaap="http://fasb.org/us-gaap/2016-01-31"
  xmlns: negated="http://www.xbrl.org/2009/role/negated">
  <xsd:annotation>
    <xsd:appinfo>
      <link:roleType
        roleURI="http://www.headwaters.com/role/StatementCondensedConsolidatedBalanceSheets"
        id="StatementCondensedConsolidatedBalanceSheets">
        <link:definition>00100 - Statement - CONDENSED CONSOLIDATED BALANCE
        SHEETS</link:definition>
        <link:usedOn>link:presentationLink</link:usedOn>
        <link:usedOn>link:calculationLink</link:usedOn>
        <link:usedOn>link:definitionLink</link:usedOn>
      </link:roleType>
      <link:roleType
        roleURI="http://www.headwaters.com/role/DisclosureSegmentReportingDetails"
        id="DisclosureSegmentReportingDetails">
        <link:definition>40201 - Disclosure - Segment Reporting
        (Details)</link:definition>
        <link:usedOn>link:presentationLink</link:usedOn>
        <link:usedOn>link:calculationLink</link:usedOn>
        <link:usedOn>link:definitionLink</link:usedOn>
      </link:roleType>
      <link:roleType
        roleURI="http://www.headwaters.com/role/DisclosureAcquisitionTransactionsDetails"
        id="DisclosureAcquisitionTransactionsDetails">
        <link:definition>40301 - Disclosure - Acquisitions
        (Details)</link:definition>
        <link:usedOn>link:presentationLink</link:usedOn>
        <link:usedOn>link:calculationLink</link:usedOn>
        <link:usedOn>link:definitionLink</link:usedOn>
      </link:roleType>
      <link:roleType
        roleURI="http://www.headwaters.com/role/DisclosureInventoryDetails"
        id="DisclosureInventoryDetails">
        <link:definition>40401 - Disclosure - Inventories
        (Details)</link:definition>
        <link:usedOn>link:presentationLink</link:usedOn>
        <link:usedOn>link:calculationLink</link:usedOn>
        <link:usedOn>link:definitionLink</link:usedOn>
      </link:roleType>
      <link:roleType
        roleURI="http://www.headwaters.com/role/DisclosureIntangibleAssetsGrossCarryingAmountsAndAccumulatedAmortizationDetails"
        id="DisclosureIntangibleAssetsGrossCarryingAmountsAndAccumulatedAmortizationDetails">
        <link:definition>40501 - Disclosure - Intangible Assets Gross Carrying Amounts and Accumulated Amortization
        (Details)</link:definition>
        <link:usedOn>link:presentationLink</link:usedOn>
        <link:usedOn>link:calculationLink</link:usedOn>
        <link:usedOn>link:definitionLink</link:usedOn>
      </link:roleType>
    </xsd:appinfo>
  </xsd:annotation>

```

hw-20170331

i d="Di scl osureIntangi bI eAssetsGrossCarryi ngAmountsAndAccumul atedAmorti zati onDetai l s">  
<I i nk: defi ni ti on>40501 - Di scl osure - Intangi bI e Assets - Gross Carryi ng  
Amounts and Accumul ated Amorti zati on (Detai l s)</I i nk: defi ni ti on>  
<I i nk: usedOn>I i nk: presentati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: cal cul ati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: defi ni ti onLi nk</I i nk: usedOn>  
</I i nk: rol eType>  
<I i nk: rol eType  
rol eURI="http://www.headwaters.com/rol e/Di scl osureLongTermDebtDi scountedCarryi ngVal u  
esDetai l s" i d="Di scl osureLongTermDebtDi scountedCarryi ngVal uesDetai l s">  
<I i nk: defi ni ti on>40601 - Di scl osure - Long-term Debt - Di scounted Carryi ng  
Val ues (Detai l s)</I i nk: defi ni ti on>  
<I i nk: usedOn>I i nk: presentati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: cal cul ati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: defi ni ti onLi nk</I i nk: usedOn>  
</I i nk: rol eType>  
<I i nk: rol eType  
rol eURI="http://www.headwaters.com/rol e/Di scl osureEarni ngsPerShareBasi cAndDi l utedEps  
Detai l s" i d="Di scl osureEarni ngsPerShareBasi cAndDi l utedEpsDetai l s">  
<I i nk: defi ni ti on>41001 - Di scl osure - Earni ngs Per Share - Basic and Di l uted  
EPS (Detai l s)</I i nk: defi ni ti on>  
<I i nk: usedOn>I i nk: presentati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: cal cul ati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: defi ni ti onLi nk</I i nk: usedOn>  
</I i nk: rol eType>  
<I i nk: rol eType  
rol eURI="http://www.headwaters.com/rol e/Di scl osureDi sconti nuedOperati onsDetai l s"  
i d="Di scl osureDi sconti nuedOperati onsDetai l s">  
<I i nk: defi ni ti on>41201 - Di scl osure - Di sconti nued Operati ons  
(Detai l s)</I i nk: defi ni ti on>  
<I i nk: usedOn>I i nk: presentati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: cal cul ati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: defi ni ti onLi nk</I i nk: usedOn>  
</I i nk: rol eType>  
<I i nk: rol eType  
rol eURI="http://www.headwaters.com/rol e/Di scl osureCondensedConsol i dati ngFi nanci al I nf  
ormati onBal anceSheetsDetai l s"  
i d="Di scl osureCondensedConsol i dati ngFi nanci al I nformati onBal anceSheetsDetai l s">  
<I i nk: defi ni ti on>41402 - Di scl osure - Condensed Consol i dati ng Fi nanci al  
I nformati on - Bal ance Sheets (Detai l s)</I i nk: defi ni ti on>  
<I i nk: usedOn>I i nk: presentati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: cal cul ati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: defi ni ti onLi nk</I i nk: usedOn>  
</I i nk: rol eType>  
<I i nk: rol eType  
rol eURI="http://www.headwaters.com/rol e/Di scl osureCondensedConsol i dati ngFi nanci al I nf  
ormati onStatementsOfI ncomeDetai l s"  
i d="Di scl osureCondensedConsol i dati ngFi nanci al I nformati onStatementsOfI ncomeDetai l s">  
<I i nk: defi ni ti on>41403 - Di scl osure - Condensed Consol i dati ng Fi nanci al  
I nformati on - Statements of Income (Detai l s)</I i nk: defi ni ti on>  
<I i nk: usedOn>I i nk: presentati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: cal cul ati onLi nk</I i nk: usedOn>  
<I i nk: usedOn>I i nk: defi ni ti onLi nk</I i nk: usedOn>  
</I i nk: rol eType>  
<I i nk: rol eType  
rol eURI="http://www.headwaters.com/rol e/Di scl osureCondensedConsol i dati ngFi nanci al I nf  
ormati onStatementsOfCashFl owsDetai l s"  
i d="Di scl osureCondensedConsol i dati ngFi nanci al I nformati onStatementsOfCashFl owsDetai l s  
>  
<I i nk: defi ni ti on>41404 - Di scl osure - Condensed Consol i dati ng Fi nanci al  
I nformati on - Statements of Cash Fl ows (Detai l s)</I i nk: defi ni ti on>  
<I i nk: usedOn>I i nk: presentati onLi nk</I i nk: usedOn>

hw-20170331

```

<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DocumentDocumentAndEntityInformation"
id="DocumentDocumentAndEntityInformation"
<link: define on>00090 - Document - Document and Entity
Information</link: define on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/StatementCondensedConsolidatedBalanceSheetsParenthetical"
id="StatementCondensedConsolidatedBalanceSheetsParenthetical"
<link: define on>00105 - Statement - CONDENSED CONSOLIDATED BALANCE SHEETS
(Parenthetical)</link: define on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/StatementCondensedConsolidatedStatementsOfIncome"
id="StatementCondensedConsolidatedStatementsOfIncome"
<link: define on>00200 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF
INCOME</link: define on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/StatementCondensedConsolidatedStatementsOfChangesInStockholdersEquity"
id="StatementCondensedConsolidatedStatementsOfChangesInStockholdersEquity"
<link: define on>00300 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF
CHANGES IN STOCKHOLDERS' EQUITY</link: define on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/StatementCondensedConsolidatedStatementsOfChangesInStockholdersEquityParenthetic"
id="StatementCondensedConsolidatedStatementsOfChangesInStockholdersEquityParenthetic"
<link: define on>00305 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF
CHANGES IN STOCKHOLDERS' EQUITY (Parenthetic)</link: define on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/StatementCondensedConsolidatedStatementsOfCashFlows"
id="StatementCondensedConsolidatedStatementsOfCashFlows"
<link: define on>00400 - Statement - CONDENSED CONSOLIDATED STATEMENTS OF
CASH FLOWS</link: define on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DisclosureNatureOfOperationsAndBasisOfPresentation"
id="DisclosureNatureOfOperationsAndBasisOfPresentation"

```

hw-20170331

```

<link: defini ti on>10101 - Discl osure - Nature of Operations and Basis of
Presentation</link: defini ti on>
  <link: usedOn>link: presentationLink</link: usedOn>
  <link: usedOn>link: calculationLink</link: usedOn>
  <link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI ="http://www.headwaters.com/role/Discl osureSegmentReporti ng"
id="Discl osureSegmentReporti ng">
  <link: defini ti on>10201 - Discl osure - Segment Reporti ng</link: defini ti on>
  <link: usedOn>link: presentationLink</link: usedOn>
  <link: usedOn>link: calculationLink</link: usedOn>
  <link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType roleURI ="http://www.headwaters.com/role/Discl osureAcqui si ti ons">
  <link: defini ti on>10301 - Discl osure - Acqui si ti ons</link: defini ti on>
  <link: usedOn>link: presentationLink</link: usedOn>
  <link: usedOn>link: calculationLink</link: usedOn>
  <link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType roleURI ="http://www.headwaters.com/role/Discl osureInventori es">
  <link: defini ti on>10401 - Discl osure - Inventori es</link: defini ti on>
  <link: usedOn>link: presentationLink</link: usedOn>
  <link: usedOn>link: calculationLink</link: usedOn>
  <link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI ="http://www.headwaters.com/role/Discl osureIntangi bl eAssets"
id="Discl osureIntangi bl eAssets">
  <link: defini ti on>10501 - Discl osure - Intangi bl e Assets</link: defini ti on>
  <link: usedOn>link: presentationLink</link: usedOn>
  <link: usedOn>link: calculationLink</link: usedOn>
  <link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType roleURI ="http://www.headwaters.com/role/Discl osureLongTermDebt">
  <link: defini ti on>10601 - Discl osure - Long-term Debt</link: defini ti on>
  <link: usedOn>link: presentationLink</link: usedOn>
  <link: usedOn>link: calculationLink</link: usedOn>
  <link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI ="http://www.headwaters.com/role/Discl osureFai rVal ue0fFi nanci al Instruments"
id="Discl osureFai rVal ue0fFi nanci al Instruments">
  <link: defini ti on>10701 - Discl osure - Fair Value of Financial
Instruments</link: defini ti on>
  <link: usedOn>link: presentationLink</link: usedOn>
  <link: usedOn>link: calculationLink</link: usedOn>
  <link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType roleURI ="http://www.headwaters.com/role/Discl osureIncomeTaxes">
  <link: defini ti on>10801 - Discl osure - Income Taxes</link: defini ti on>
  <link: usedOn>link: presentationLink</link: usedOn>
  <link: usedOn>link: calculationLink</link: usedOn>
  <link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI ="http://www.headwaters.com/role/Discl osureEquitySecuri ti esAndStockBasedCompe
nsati on" id="Discl osureEquitySecuri ti esAndStockBasedCompensati on">
  <link: defini ti on>10901 - Discl osure - Equity Securi ti es and Stock-Based

```

Compensati on</i nk: defi ni ti on>  
    <I nk: used0n>l nk: presentati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: cal cul ati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: defi ni ti onLi nk</I nk: used0n>  
  </I nk: rol eType>  
  <I nk: rol eType>  
rol eURI ="http://www. headwaters. com/rol e/Di scl osureEarni ngsPerShare"  
i d="Di scl osureEarni ngsPerShare">  
    <I nk: defi ni ti on>11001 - Di scl osure - Earni ngs Per Share</I nk: defi ni ti on>  
    <I nk: used0n>l nk: presentati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: cal cul ati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: defi ni ti onLi nk</I nk: used0n>  
  </I nk: rol eType>  
  <I nk: rol eType>  
rol eURI ="http://www. headwaters. com/rol e/Di scl osureCommi tmentsAndConti ngenci es"  
i d="Di scl osureCommi tmentsAndConti ngenci es">  
    <I nk: defi ni ti on>11101 - Di scl osure - Commi tments and  
Conti ngenci es</I nk: defi ni ti on>  
    <I nk: used0n>l nk: presentati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: cal cul ati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: defi ni ti onLi nk</I nk: used0n>  
  </I nk: rol eType>  
  <I nk: rol eType>  
rol eURI ="http://www. headwaters. com/rol e/Di scl osureDi sconti nuedOperati ons"  
i d="Di scl osureDi sconti nuedOperati ons">  
    <I nk: defi ni ti on>11201 - Di scl osure - Di sconti nued  
Operati ons</I nk: defi ni ti on>  
    <I nk: used0n>l nk: presentati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: cal cul ati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: defi ni ti onLi nk</I nk: used0n>  
  </I nk: rol eType>  
  <I nk: rol eType>  
rol eURI ="http://www. headwaters. com/rol e/Di scl osureRel atedPartyTransacti on"  
i d="Di scl osureRel atedPartyTransacti on">  
    <I nk: defi ni ti on>11301 - Di scl osure - Rel ated Party  
Transacti on</I nk: defi ni ti on>  
    <I nk: used0n>l nk: presentati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: cal cul ati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: defi ni ti onLi nk</I nk: used0n>  
  </I nk: rol eType>  
  <I nk: rol eType>  
rol eURI ="http://www. headwaters. com/rol e/Di scl osureCondensedConsolidati onFi nanci al I nf  
ormati on", i d="Di scl osureCondensedConsolidati onFi nanci al I nformati on">  
    <I nk: defi ni ti on>11401 - Di scl osure - Condensed Consoli dati ng Fi nanci al  
I nformati on</I nk: defi ni ti on>  
    <I nk: used0n>l nk: presentati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: cal cul ati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: defi ni ti onLi nk</I nk: used0n>  
  </I nk: rol eType>  
  <I nk: rol eType>  
rol eURI ="http://www. headwaters. com/rol e/Di scl osureSegmentReporti ngTabl es"  
i d="Di scl osureSegmentReporti ngTabl es">  
    <I nk: defi ni ti on>30203 - Di scl osure - Segment Reporti ng  
(Tabl es)</I nk: defi ni ti on>  
    <I nk: used0n>l nk: presentati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: cal cul ati onLi nk</I nk: used0n>  
    <I nk: used0n>l nk: defi ni ti onLi nk</I nk: used0n>  
  </I nk: rol eType>  
  <I nk: rol eType>  
rol eURI ="http://www. headwaters. com/rol e/Di scl osureAcqui si ti onTabl es"  
i d="Di scl osureAcqui si ti onTabl es">  
    <I nk: defi ni ti on>30303 - Di scl osure - Acqui si ti ons  
(Tabl es)</I nk: defi ni ti on>

hw-20170331

```

<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculationLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DisclosureInventoryTables"
id="DisclosureInventoryTables">
<link: definition>30403 - Disclosure - Inventories (Tables)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculationLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DisclosureIntangibleAssetsTables"
id="DisclosureIntangibleAssetsTables">
<link: definition>30503 - Disclosure - Intangible Assets
(Tables)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculationLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DisclosureLongTermDebtTables"
id="DisclosureLongTermDebtTables">
<link: definition>30603 - Disclosure - Long-term Debt
(Tables)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculationLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DisclosureEarningsPerShareTables"
id="DisclosureEarningsPerShareTables">
<link: definition>31003 - Disclosure - Earnings Per Share
(Tables)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculationLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DisclosureDiscountedOperationsTables"
id="DisclosureDiscountedOperationsTables">
<link: definition>31203 - Disclosure - Discounted Operations
(Tables)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculationLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DisclosureCondensedConsolidatedFinancialStatements"
id="DisclosureCondensedConsolidatedFinancialStatements">
<link: definition>31403 - Disclosure - Condensed Consolidated Financial
Information (Tables)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculationLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/DisclosureNatureOfOperationsAndBasisOfPresentationDetails"
id="DisclosureNatureOfOperationsAndBasisOfPresentationDetails">
<link: definition>40101 - Disclosure - Nature of Operations and Basis of
Presentation (Details)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>

```

hw-20170331

```

<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/Disclosure/IntangibleAssetsFutureAnnualAmortizationDetails" id="Disclose Intangible Assets Future Annual Amortization (Details)">
<link: definition>40502 - Disclosure - Intangible Assets - Future Annual Amortization (Details)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/Disclosure/LongTermDebtSeniorOrSecuredTermLoanDetails" id="Disclose Long-term Debt - Senior or Secured Term Loan (Details)">
<link: definition>40602 - Disclosure - Long-term Debt - Senior or Secured Term Loan (Details)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/Disclosure/LongTermDebtABLRevolverDetails" id="Disclose Long-term Debt ABL Revolver (Details)">
<link: definition>40603 - Disclosure - Long-term Debt - ABL Revolver (Details)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/Disclosure/LongTermDebtInterestAndDebtMaturityDetails" id="Disclose Long-term Debt Interest and Debt Maturity (Details)">
<link: definition>40604 - Disclosure - Long-term Debt - Interest and Debt Maturity (Details)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/Disclosure/IncomeTaxesNOLAndCapitalLossCarryforwardsDetails" id="Disclose Income Taxes NOL and Capital Loss Carryforwards (Details)">
<link: definition>40801 - Disclosure - Income Taxes - NOL and Capital Loss Carryforwards (Details)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/Disclosure/EquitySecuritiesAndStockBasedCompensationDetails" id="Disclose Equity Securities and Stock-Based Compensation (Details)">
<link: definition>40901 - Disclosure - Equity Securities and Stock-Based Compensation (Details)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: definitionLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI = "http://www.headwaters.com/role/Disclosure/EarningsPerShareAntiDilutiveSecuritiesDetails" id="Disclose Earnings Per Share - Anti-dilutive Securities (Details)">
<link: definition>41002 - Disclosure - Earnings Per Share - Anti-dilutive Securities (Details)</link: definition>
<link: usedOn>link: presentationLink</link: usedOn>

```

hw-20170331

```

<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI ="http://www. headwaters. com/role/DisclosureCommitmentsAndContingenciesBoral TransactionsDetailIs"
id="DisclosureCommitmentsAndContingenciesBoral TransactionsDetailIs">
<link: defini on>41101 - Disclosure - Commitments and Contingencies - Boral Transaction abd Compensation Arrangements (DetailIs)</link: defini on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI ="http://www. headwaters. com/role/DisclosureCommitmentsAndContingenciesLegal MattersDetailIs"
id="DisclosureCommitmentsAndContingenciesLegal MattersDetailIs">
<link: defini on>41102 - Disclosure - Commitments and Contingencies - Legal Matters (DetailIs)</link: defini on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI ="http://www. headwaters. com/role/DisclosureRelatedPartyTransactionsDetailIs"
id="DisclosureRelatedPartyTransactionsDetailIs">
<link: defini on>41301 - Disclosure - Related Party Transaction (DetailIs)</link: defini on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

roleURI ="http://www. headwaters. com/role/DisclosureCondensedConsolidatingFinancialInformationDetailIs"
id="DisclosureCondensedConsolidatingFinancialInformationDetailIs">
<link: defini on>41401 - Disclosure - Condensed Consolidating Financial Information (DetailIs)</link: defini on>
<link: usedOn>link: presentationLink</link: usedOn>
<link: usedOn>link: calculate onLink</link: usedOn>
<link: usedOn>link: define onLink</link: usedOn>
</link: roleType>
<link: roleType>

link: arcrole="http://www. w3. org/1999/xlink/properties/linkbase"
link: href="hw-20170331_pre. xml"
link: role="http://www. xbrl. org/2003/role/presentationLinkbaseRef"
link: type="simple" />
<link: linkbaseRef>

link: arcrole="http://www. w3. org/1999/xlink/properties/linkbase"
link: href="hw-20170331_cal. xml"
link: role="http://www. xbrl. org/2003/role/calculate onLinkbaseRef"
link: type="simple" />
<link: linkbaseRef>

link: arcrole="http://www. w3. org/1999/xlink/properties/linkbase"
link: href="hw-20170331_def. xml"
link: role="http://www. xbrl. org/2003/role/define onLinkbaseRef" link: type="simple" />
<link: linkbaseRef>

link: arcrole="http://www. w3. org/1999/xlink/properties/linkbase"
link: href="hw-20170331_lab. xml"
link: role="http://www. xbrl. org/2003/role/label LinkbaseRef" link: type="simple" />
</xsd:appinfo>
</xsd:annotation>
<xsd:import namespace="http://www. xbrl. org/dtr/type/numerical" />
```

hw-20170331

```

schemaLocation="http://www.xbrl.org/dtr/type/numerical-2009-12-16.xsd" />
  <xsd:import namespace="http://www.xbrl.org/dtr/type/non-numerical" />
schemaLocation="http://www.xbrl.org/dtr/type/nonNumerical-2009-12-16.xsd" />
  <xsd:import namespace="http://www.xbrl.org/2009/role/negated" />
schemaLocation="http://www.xbrl.org/Irr/role/negated-2009-12-16.xsd" />
  <xsd:import namespace="http://xbrl.sec.gov/dei/2014-01-31" />
schemaLocation="http://xbrl.sec.gov/dei/2014/dei-2014-01-31.xsd" />
  <xsd:import namespace="http://www.xbrl.org/2003/instance" />
schemaLocation="http://www.xbrl.org/2003/xbrl-instance-2003-12-31.xsd" />
  <xsd:import namespace="http://xbrl.org/2005/xbrldt" />
schemaLocation="http://www.xbrl.org/2005/xbrldt-2005.xsd" />
  <import namespace="http://fasb.org/us-gaap/2016-01-31" />
schemaLocation="http://xbrl.fasb.org/us-gaap/2016/elts/us-gaap-2016-01-31.xsd"
xml ns="http://www.w3.org/2001/XMLSchema" />
  <xsd:element id="hw_TreasuryStockAndRelatedDeferredCompensationOnBasisOnFairValueDueToDate" name="TreasuryStockAndRelatedDeferredCompensationOnBasisOnFairValueDueToDate" nillable="true" substitutionGroup="xbrli:item" type="xbrli:monetaryItemType">
    <xbrli:balance>credit</xbrli:balance>
    <xbrli:periodType>instant</xbrli:periodType>
  <xsd:element abstract="true" />
  <xsd:element id="hw_BusinessAcquisitionPurchasePriceAllocationOnLongTermAssetsAbstract" name="BusinessAcquisitionPurchasePriceAllocationOnLongTermAssetsAbstract" nillable="true" substitutionGroup="xbrli:item" type="xbrli:stringItemType">
    <xbrli:periodType>duration</xbrli:periodType>
  <xsd:element abstract="true" id="hw_CPMViringNiAllCMMember" name="CPMViringNiAllCMMember" nillable="true" substitutionGroup="xbrli:item" type="nonnumericalItemType">
    <xsd:element abstract="false" />
  <xsd:element id="hw_LossContingencyNumberOfInsurersWhoDefinedCoverage" name="LossContingencyNumberOfInsurersWhoDefinedCoverage" nillable="true" substitutionGroup="xbrli:integerItem" type="nonnumericalItemType">
    <xbrli:periodType>duration</xbrli:periodType>
  <xsd:element abstract="true" id="hw_EmployeeAndNonemployeeStockOptionsMember" name="EmployeeAndNonemployeeStockOptionsMember" nillable="true" substitutionGroup="xbrli:hypercubeItem" type="xbrli:stringItemType">
    <xbrli:periodType>duration</xbrli:periodType>
  <xsd:element abstract="true" id="hw_NumberOfBusinessSegments" name="NumberOfBusinessSegments" nillable="true" substitutionGroup="xbrli:integerItem" type="nonnumericalItemType">
    <xbrli:periodType>duration</xbrli:periodType>
  <xsd:element abstract="false" id="hw_ScheduleEffectiveAndIndefiniteLiabilitiesTableTextBlock" name="ScheduleEffectiveAndIndefiniteLiabilitiesTableTextBlock" nillable="true" substitutionGroup="xbrli:hypercubeItem" type="textBlockItem">
    <xbrli:periodType>duration</xbrli:periodType>
  <elment id="hw_FinancialAssetsLiabilitiesItems" name="FinancialAssetsLiabilitiesItems" nillable="true" type="xbrli:stringItemType" substitutionGroup="xbrli:item" abstract="true">
    <xbrli:periodType>duration</xbrli:periodType>
  <elment id="hw_AccruedContingentLiabilitiesOfTypeForReclamations" name="AccruedContingentLiabilitiesOfTypeForReclamations" nillable="true" type="xbrli:monetaryItemType" substitutionGroup="xbrli:item" abstract="true">
    <xbrli:periodType>instant</xbrli:periodType>
    <xbrli:balance>credit</xbrli:balance>
  <xsd:element />
  <xsd:element id="hw_AggregateValueOfSeverancePaymentsAndExcessOfMarketValueOfStockBasedAwardsExpense" name="AggregateValueOfSeverancePaymentsAndExcessOfMarketValueOfStockBasedAwardsExpense" />

```

hw-20170331

```

se" nullable="true" type="xbrl i : monetaryItemType" substitutionGroup="xbrl i : item"
xbrl i : periodType="duration" xbrl i : balance="debit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_RooftileMember" name="RooftileMember" nullable="true"
type="nonnum: domainItemType" substitutionGroup="xbrl i : item" abstract="true"
xbrl i : periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<xsd:element abstract="false"
id="hw_BusinessAcquisitionPurchasePriceAllocationGoodwillExpectedPeriodForTaxDeducti
on"
name="BusinessAcquisitionPurchasePriceAllocationGoodwillExpectedPeriodForTaxDeductio
n" nullable="true" substitutionGroup="xbrl i : item" type="xbrl i : durationType"
xbrl i : periodType="duration" />
<xsd:element abstract="false"
id="hw_TreasuryStockAndRelatedDeferredCompensationObjectivesFairValueInExcessOfCarry
ingValueAtCost"
name="TreasuryStockAndRelatedDeferredCompensationObjectivesFairValueInExcessOfCarryi
ngValueAtCost" nullable="true" substitutionGroup="xbrl i : item"
type="xbrl i : monetaryItemType" xbrl i : balance="credit" xbrl i : periodType="instant" />
<xsd:element abstract="true" id="hw_CCPContractsMember" name="CCPContractsMember"
nullable="true" substitutionGroup="xbrl i : item" type="nonnum: domainItemType"
xbrl i : periodType="duration" />
<xsd:element abstract="true" id="hw_PatentsAndPatentedTechnologiesMember"
name="PatentsAndPatentedTechnologiesMember" nullable="true"
substitutionGroup="xbrl i : item" type="nonnum: domainItemType"
xbrl i : periodType="duration" />
<xsd:element abstract="true" id="hw_CoalCleaningBusinessMember"
name="CoalCleaningBusinessMember" nullable="true" substitutionGroup="xbrl i : item"
type="nonnum: domainItemType" xbrl i : periodType="duration" />
<xsd:element abstract="true" id="hw_LegalMattersMember" name="LegalMattersMember"
nullable="true" substitutionGroup="xbrl i : item" type="nonnum: domainItemType"
xbrl i : periodType="duration" />
<xsd:element abstract="true"
id="hw_AssetsBasedRevolvingLineOfCreditFacilityMember"
name="AssetsBasedRevolvingLineOfCreditFacilityMember" nullable="true"
substitutionGroup="xbrl i : item" type="nonnum: domainItemType"
xbrl i : periodType="duration" />
<xsd:element abstract="true" id="hw_SwingLineFacilityMember"
name="SwingLineFacilityMember" nullable="true" substitutionGroup="xbrl i : item"
type="nonnum: domainItemType" xbrl i : periodType="duration" />
<xsd:element abstract="true" id="hw_FentressFamilyTrustMember"
name="FentressFamilyTrustMember" nullable="true" substitutionGroup="xbrl i : item"
type="nonnum: domainItemType" xbrl i : periodType="duration" />
<xsd:element abstract="true" id="hw_EnergyTechnologyMember"
name="EnergyTechnologyMember" nullable="true" substitutionGroup="xbrl i : item"
type="nonnum: domainItemType" xbrl i : periodType="duration" />
<xsd:element abstract="true" id="hw_DocumentAndEntitlementInformationAbstract"
name="DocumentAndEntitlementInformationAbstract" nullable="true"
substitutionGroup="xbrl i : item" type="xbrl i : stringItemType"
xbrl i : periodType="duration" />
<element id="hw_OtherAssetsNoncurrentTotal" name="OtherAssetsNoncurrentTotal"
nullable="true" type="xbrl i : monetaryItemType" substitutionGroup="xbrl i : item"
xbrl i : periodType="instant" xbrl i : balance="debit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_IncreaseDecreaseInLongTermReceivablesAndDeposits"
name="IncreaseDecreaseInLongTermReceivablesAndDeposits" nullable="true"
type="xbrl i : monetaryItemType" substitutionGroup="xbrl i : item"
xbrl i : periodType="duration" xbrl i : balance="credit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<xsd:element abstract="true"
id="hw_EquitySecuritiesAndStockBasedCompensationAbstract"
name="EquitySecuritiesAndStockBasedCompensationAbstract" nullable="true"
substitutionGroup="xbrl i : item" type="xbrl i : stringItemType"
xbrl i : periodType="duration" />

```

hw-20170331

```

<xsd:element id="hw_PercentageOfTotalRevenueAndCostOfRevenueForServices"
name="PercentageOfTotalRevenueAndCostOfRevenueForServices" nullable="true"
substitutionGroup="xbrli:item" type="num:percentItemType"
xbrli:periodType="duration" />
<xsd:element id="hw_Li_neOfCreditFacilityTermNativeDateBasedOnEarlyEstMaturityOfLongTermDebt"
name="Li_neOfCreditFacilityTermNativeDateBasedOnEarlyEstMaturityOfLongTermDebt"
nullable="true" substitutionGroup="xbrli:item" type="xbrli:durationItemType"
xbrli:periodType="duration" />
<xsd:element id="hw_DebtInstrumentBasisSpreadOnVariableRateOne"
name="DebtInstrumentBasisSpreadOnVariableRateOne" nullable="true"
substitutionGroup="xbrli:item" type="num:percentItemType" xbrli:periodType="instant" />
<xsd:element id="hw_DebtInstrumentBasisSpreadOnVariableRateTwo"
name="DebtInstrumentBasisSpreadOnVariableRateTwo" nullable="true"
substitutionGroup="xbrli:item" type="num:percentItemType" xbrli:periodType="instant" />
<xsd:element id="hw_DebtInstrumentBasisSpreadOnVariableRateThree"
name="DebtInstrumentBasisSpreadOnVariableRateThree" nullable="true"
substitutionGroup="xbrli:item" type="num:percentItemType" xbrli:periodType="instant" />
<element
id="hw_Li_neOfCreditFacilitySpecifiedPercentageOfAvailableFeesChargedCoverageRatioToApply"
name="Li_neOfCreditFacilitySpecifiedPercentageOfAvailableFeesChargedCoverageRatioToApply"
nullable="true" type="num:percentItemType" substitutionGroup="xbrli:item"
xbrli:periodType="duration" xml:ns="http://www.w3.org/2001/XMLSchema" />
<xsd:element id="hw_CoverageRatio" name="CoverageRatio" nullable="true"
type="xbrli:pureItemType" substitutionGroup="xbrli:item" xbrli:periodType="duration" />
<xsd:element abstract="true"
id="hw_DebtInstrumentVariableRateBaseFederalFundsRateMember"
name="DebtInstrumentVariableRateBaseFederalFundsRateMember" nullable="true"
substitutionGroup="xbrli:item" type="nonnum:domainItemType"
xbrli:periodType="duration" />
<xsd:element abstract="true" id="hw_IncomeTaxTable" name="IncomeTaxTable"
nullable="true" substitutionGroup="xbrldt:hypercubeItem" type="xbrli:stringItemType"
xbrli:periodType="duration" />
<xsd:element abstract="true" id="hw_IncomeTaxLineItems" name="IncomeTaxLineItems"
nullable="true" substitutionGroup="xbrli:item" type="xbrli:stringItemType"
xbrli:periodType="duration" />
<element id="hw_IncomeTaxExpenseBenefitDetails"
name="IncomeTaxExpenseBenefitDetails" nullable="true"
type="xbrli:monetaryItemType" substitutionGroup="xbrli:item"
xbrli:periodType="duration" xbrli:balance="debit"
xml:ns="http://www.w3.org/2001/XMLSchema" />
<xsd:element abstract="true" id="hw_ExecutiveChangeInControlAgreementsMember"
name="ExecutiveChangeInControlAgreementsMember" nullable="true"
substitutionGroup="xbrli:item" type="nonnum:domainItemType"
xbrli:periodType="duration" />
<xsd:element abstract="true" id="hw_CommitmentsAndContingenciesTable"
name="CommitmentsAndContingenciesTable" nullable="true"
substitutionGroup="xbrldt:hypercubeItem" type="xbrli:stringItemType"
xbrli:periodType="duration" />
<xsd:element abstract="true" id="hw_CommitmentsAndContingenciesLiabilities"
name="CommitmentsAndContingenciesLiabilities" nullable="true"
substitutionGroup="xbrli:item" type="xbrli:stringItemType"
xbrli:periodType="duration" />
<element id="hw_PercentageOfPerformanceUnitAwardsVested"
name="PercentageOfPerformanceUnitAwardsVested" nullable="true"
type="num:percentItemType" substitutionGroup="xbrli:item"
xbrli:periodType="duration" xml:ns="http://www.w3.org/2001/XMLSchema" />
<element

```

hw-20170331

```
i d="hw_AggregateValueOfSeverancePaymentsAndExcessOfMarketValueOfStockBasedAwards"
name="AggregateValueOfSeverancePaymentsAndExcessOfMarketValueOfStockBasedAwards"
nilable="true" type="xbrl:i:monetaryItemType" substitutionGroup="xbrl:i:item"
xbrl:i:periodType="duration" xbrl:i:balance="debit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<xsd:element id="hw_LongTermCapitalCommitmentsOnPropertyPlantAndEquipment"
name="LongTermCapitalCommitmentsOnPropertyPlantAndEquipment" nilable="true"
substitutionGroup="xbrl:i:item" type="xbrl:i:monetaryItemType" xbrl:i:balance="debit"
xbrl:i:periodType="instant" />
<xsd:element id="hw_DamagesForRemovalAndRemediationOfFloodAshAndWaterSupply"
name="DamagesForRemovalAndRemediationOfFloodAshAndWaterSupply" nilable="true"
substitutionGroup="xbrl:i:item" type="xbrl:i:monetaryItemType" xbrl:i:balance="credit"
xbrl:i:periodType="duration" />
<xsd:element id="hw_DamagesForVexation" name="DamagesForVexation" nilable="true"
substitutionGroup="xbrl:i:item" type="xbrl:i:monetaryItemType" xbrl:i:balance="credit"
xbrl:i:periodType="duration" />
<xsd:element id="hw_DamagesForOthers" name="DamagesForOthers" nilable="true"
substitutionGroup="xbrl:i:item" type="xbrl:i:monetaryItemType" xbrl:i:balance="credit"
xbrl:i:periodType="duration" />
<xsd:element id="hw_DamagesForPropertiesPrejudgmentInterestAttorneyFeesAndCosts"
name="DamagesForPropertiesPrejudgmentInterestAttorneyFeesAndCosts"
nilable="true" substitutionGroup="xbrl:i:item" type="xbrl:i:monetaryItemType"
xbrl:i:balance="credit" xbrl:i:periodType="duration" />
<xsd:element id="hw_AdditionalDamagesSoughtByOtherPlaintiffs"
name="AdditionalDamagesSoughtByOtherPlaintiffs" nilable="true"
substitutionGroup="xbrl:i:item" type="xbrl:i:monetaryItemType" xbrl:i:balance="credit"
xbrl:i:periodType="duration" />
<element id="hw_TaxEffectuatedOperatingAndCapitalLossCarryforwards"
name="TaxEffectuatedOperatingAndCapitalLossCarryforwards" nilable="true"
type="xbrl:i:monetaryItemType" substitutionGroup="xbrl:i:item"
xbrl:i:periodType="instant" xbrl:i:balance="debit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<xsd:element abstract="false" id="hw_IntercompanyAccountsAndNotesNoncurrent"
name="IntercompanyAccountsAndNotesNoncurrent" nilable="true"
substitutionGroup="xbrl:i:item" type="xbrl:i:monetaryItemType" xbrl:i:balance="debit"
xbrl:i:periodType="instant" />
<xsd:element abstract="false"
id="hw_IntercompanyAccountsAndNotesPayableNoncurrent"
name="IntercompanyAccountsAndNotesPayableNoncurrent" nilable="true"
substitutionGroup="xbrl:i:item" type="xbrl:i:monetaryItemType" xbrl:i:balance="credit"
xbrl:i:periodType="instant" />
<element id="hw_OtherBusinessAssociationsMember"
name="OtherBusinessAssociationsMember" nilable="true" type="nonnumericalItem"
substitutionGroup="xbrl:i:item" abstract="true" periodType="duration"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_Acquisitions2014Member" name="Acquisitions2014Member"
nilable="true" type="nonnumericalItem" substitutionGroup="xbrl:i:item"
abstract="true" periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_NetIncomeLossAvailableToCommonStockholdersBasicAndDiluted"
name="NetIncomeLossAvailableToCommonStockholdersBasicAndDiluted" nilable="true"
type="xbrl:i:monetaryItemType" substitutionGroup="xbrl:i:item"
xbrl:i:periodType="duration" xbrl:i:balance="credit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_EntegraMember" name="EntegraMember" nilable="true"
type="nonnumericalItem" substitutionGroup="xbrl:i:item" abstract="true"
xbrl:i:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<xsd:element id="hw_DiscountsOnNumberOfTransactionsInWhichBuyerAgreedToAssumeLeaseAndContractReclaimations"
name="DiscountsOnNumberOfTransactionsInWhichBuyerAgreedToAssumeLeaseAndContractReclaimations"
nilable="true" type="xbrl:i:integerItemType"
```

hw-20170331

```

substi tuti onGroup="xbrl i : item" xbrl i : perio dType="duration"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_Disconti nuedOperati onsNumber0fRecl amati onObli gati ons"
name="Di sconti nuedOperati onsNumber0fRecl amati onObli gati ons" ni llabl e="true"
type="xbrl i : integerI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_Fini teLi vedIntangi bl eAssetsAmorti zati onExpenseYearSi x"
name="Fin i teLi vedIntangi bl eAssetsAmorti zati onExpenseYearSi x" ni llabl e="true"
type="xbrl i : monetaryI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="instant" xbrl i : balance="debt"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement
id="hw_Redeemabl eNoncontrol l i ngl interestEquityCommonCarryi ngAmountRol l Forward"
name="Redeemabl eNoncontrol l i ngl interestEquityCommonCarryi ngAmountRol l Forward"
ni llabl e="true" type="xbrl i : stri ngI temType" substi tuti onGroup="xbrl i : item"
abstract="true" xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_Ownershi pPercentageGuarantorSubsi di ari es"
name="Ownersh i pPercentageGuarantorSubsi di ari es" ni llabl e="true"
type="num: percentI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_Ownershi pPercentageNonGuarantorSubsi di ari esMaxi mum"
name="Ownersh i pPercentageNonGuarantorSubsi di ari esMaxi mum" ni llabl e="true"
type="num: percentI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_Seni orSecuredTermLoanDueMarch2022Member"
name="Seni orSecuredTermLoanDueMarch2022Member" ni llabl e="true"
type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : item" abstract="true"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_DebtInstrumentPeriodicPaymentPri nci pal PercentageBasi s"
name="DebtInstrumentPeriodicPaymentPri nci pal PercentageBasi s" ni llabl e="true"
type="num: percentI temType" substi tuti onGroup="xbrl i : item" xbrl i : perio dType="instant"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_Incremental TermLoansAndDebtMember"
name="Incremental TermLoansAndDebtMember" ni llabl e="true"
type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : item" abstract="true"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_DebtInstrumentSchedul edQuarterlyRepaymentAmount"
name="DebtInstrumentSchedul edQuarterlyRepaymentAmount" ni llabl e="true"
type="xbrl i : monetaryI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="duration" xbrl i : balance="credit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_DebtInstrumentVari abl eRateBaseThi rtyDayLi boMember"
name="DebtInstrumentVari abl eRateBaseThi rtyDayLi boMember" ni llabl e="true"
type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : item" abstract="true"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_DebtInstrumentMi nimu mVari abl eRateFoor"
name="DebtInstrumentMi nimu mVari abl eRateFoor" ni llabl e="true"
type="num: percentI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_DebtInstrumentSecondaryMargi nonVari abl eRate"
name="DebtInstrumentSecondaryMargi nonVari abl eRate" ni llabl e="true"
type="num: percentI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement id="hw_DebtInstrumentPrepaymentPremiu mPercentage"
name="DebtInstrumentPrepaymentPremiu mPercentage" ni llabl e="true"
type="num: percentI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement
id="hw_MaximumPercentage0fAnnual ExcessCashFlowRequi redToBeUsedForPrepayment0fDebt"
name="MaximumPercentage0fAnnual ExcessCashFlowRequi redToBeUsedForPrepayment0fDebt"
ni llabl e="true" type="num: percentI temType" substi tuti onGroup="xbrl i : item"
xbrl i : perio dType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
```

hw-20170331

```

<element id="hw_Annual ExcessCashFlowThresholdForRequiringRedPrepaymentOfDebt"
name="Annual ExcessCashFlowThresholdForRequiringRedPrepaymentOfDebt" nullable="true"
type="xbrli:monetaryItemType" substitutionGroup="xbrli:item"
xbrli:periodType="duration" xbrli:balance="debit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_PercentageOfNetProceedsOfNonOrdinaryCourseAssetsSalesRequiringRedToBeUsedForPrepaymentOfDebt"
name="PercentageOfNetProceedsOfNonOrdinaryCourseAssetsSalesRequiringRedToBeUsedForPrepaymentOfDebt" nullable="true" type="num:percentageType" substitutionGroup="xbrli:item"
xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_PercentageOfNetProceedsOfCertainLiquancesOfDebtRequiringRedToBeUsedForPrepaymentOfDebt"
name="PercentageOfNetProceedsOfCertainLiquancesOfDebtRequiringRedToBeUsedForPrepaymentOfDebt" nullable="true" type="num:percentageType" substitutionGroup="xbrli:item"
xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_ClarityMember" name="ClarityMember" nullable="true"
type="nonnum:domainItemType" substitutionGroup="xbrli:item" abstract="true"
xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_MetroRoofProductsMember" name="MetroRoofProductsMember"
nullable="true" type="nonnum:domainItemType" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_RoofingBusinessAcquisitionsMember"
name="RoofingBusinessAcquisitionsMember" nullable="true"
type="nonnum:domainItemType" substitutionGroup="xbrli:item" abstract="true"
xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_NumberOfAcquisitionsAggregated"
name="NumberOfAcquisitionsAggregated" nullable="true" type="xbrli:integerType"
substitutionGroup="xbrli:item" xbrli:periodType="duration"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_OhioPowerCompanyMember" name="OhioPowerCompanyMember"
nullable="true" type="nonnum:domainItemType" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_BasisOfPresentationAbstract" name="BasisOfPresentationAbstract"
nullable="true" type="xbrli:stringType" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_BusinessCombinationsOnConsiderationFuturePaymentsAccruedCurrent"
name="BusinessCombinationsOnConsiderationFuturePaymentsAccruedCurrent" nullable="true"
type="xbrli:monetaryItemType" substitutionGroup="xbrli:item"
xbrli:periodType="instant" xbrli:balance="credit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_Acquisitions2016Member" name="Acquisitions2016Member"
nullable="true" type="nonnum:domainItemType" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_LegalFeesNetOfCertaintSettlementProceeds"
name="LegalFeesNetOfCertaintSettlementProceeds" nullable="true"
type="xbrli:monetaryItemType" substitutionGroup="xbrli:item"
xbrli:periodType="duration" xbrli:balance="debit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_SyntheticMaterialSLLCMember" name="SyntheticMaterialSLLCMember"
nullable="true" type="nonnum:domainItemType" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_PersonalInjuryClaimsMember" name="PersonalInjuryClaimsMember"
nullable="true" type="nonnum:domainItemType" substitutionGroup="xbrli:item"
abstract="true" xbrli:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_BuildingProductsMember" name="BuildingProductsMember"

```

hw-20170331

```
ni l l abl e="true" type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem"
abstract="true" xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema"
/>
<el ement i d="hw_Constructi onMateri al sMember" name="Constructi onMateri al sMember"
ni l l abl e="true" type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem"
abstract="true" xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema"
/>
<el ement i d="hw_Seni orNotes725PercentDueJanuary2019Member"
name="Seni orNotes725PercentDueJanuary2019Member" ni l l abl e="true"
type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem" abstract="true"
xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_ConcreteRoofTi l eBusi nessMember"
name="ConcreteRoofTi l eBusi nessMember" ni l l abl e="true" type="nonnum: domai nl temType"
substi tuti onGroup="xbrl i : i tem" abstract="true" xbrl i : peri odType="duration"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_Decki ngManufacturi ngAssetsMember"
name="Decki ngManufacturi ngAssetsMember" ni l l abl e="true" type="nonnum: domai nl temType"
substi tuti onGroup="xbrl i : i tem" abstract="true" xbrl i : peri odType="duration"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_KrestmarkIndustri esMember" name="KrestmarkIndustri esMember"
ni l l abl e="true" type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem"
abstract="true" xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema"
/>
<el ement i d="hw_IncreaseDecreasel nOtherChangesI nOperati ngAssetsAndLi abi l i ti esNet"
name="IncreaseDecreasel nOtherChangesI nOperati ngAssetsAndLi abi l i ti esNet"
ni l l abl e="true" type="xbrl i : monetaryl temType" substi tuti onGroup="xbrl i : i tem"
xbrl i : peri odType="duration" xbrl i : bal ance="credi t"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement
i d="hw_Busi nessAcqui si ti onPurchasePri ceAl l ocati onPrepai dCompensati onAmorti zati onPeri
od"
name="Busi nessAcqui si ti onPurchasePri ceAl l ocati onPrepai dCompensati onAmorti zati onPeri o
d" ni l l abl e="true" type="xbrl i : durationl temType" substi tuti onGroup="xbrl i : i tem"
xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_Acqui si ti ons2014And2015And2016Member"
name="Acqui si ti ons2014And2015And2016Member" ni l l abl e="true"
type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem" abstract="true"
xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_Incremental Seni orSecuredTermLoanDueMarch2022Member"
name="Incremental Seni orSecuredTermLoanDueMarch2022Member" ni l l abl e="true"
type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem"
xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_TermLoanFaci l i tyMember" name="TermLoanFaci l i tyMember"
ni l l abl e="true" type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem"
abstract="true" xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema"
/>
<el ement i d="hw_Boral Li mi tedMember" name="Boral Li mi tedMember" ni l l abl e="true"
type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem" abstract="true"
xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_MergerAgreementAcqui rerTermi nati onFee"
name="MergerAgreementAcqui rerTermi nati onFee" ni l l abl e="true"
type="xbrl i : monetaryl temType" substi tuti onGroup="xbrl i : i tem"
xbrl i : peri odType="duration" xbrl i : bal ance="debi t"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_MergerAgreementAcqui reeTermi nati onFee"
name="MergerAgreementAcqui reeTermi nati onFee" ni l l abl e="true"
type="xbrl i : monetaryl temType" substi tuti onGroup="xbrl i : i tem"
xbrl i : peri odType="duration" xbrl i : bal ance="debi t"
xml ns="http://www.w3.org/2001/XMLSchema" />
<el ement i d="hw_AgreementAndPl anOfMergerToAcqui reHeadwatersI nc. Member"
name="AgreementAndPl anOfMergerToAcqui reHeadwatersI nc. Member" ni l l abl e="true"
type="nonnum: domai nl temType" substi tuti onGroup="xbrl i : i tem" abstract="true"
xbrl i : peri odType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
```

```

<element id="hw_BusinessAgreementsMember" name="BusinessAgreementsMember" nillable="true" type="num: periodType">
  <!-- Substitution Group -->
  <xbrli:periodType id="instant" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:periodType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" abstract="true" />
  <xbrli:periodType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:monetaryPeriodType" />
  <xbrli:periodType id="debt" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_RetentionAgreementsMember" name="RetentionAgreementsMember" nillable="true" type="nonnum: domainType">
  <!-- Substitution Group -->
  <xbrli:domainType id="dateForPaymentEligibility" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" abstract="true" />
  <xbrli:domainType id="dateForPaymentEligibility" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
  <xbrli:domainType id="dateForPaymentEligibility" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" abstract="true" />
  <xbrli:domainType id="dateForPaymentEligibility" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_RetentionAgreementsTotalCommitments" name="RetentionAgreementsTotalCommitments" nillable="true" type="xbrli:monetaryPeriodType">
  <!-- Substitution Group -->
  <xbrli:monetaryPeriodType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:monetaryPeriodType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_RetentionAgreementsRequiringTermOfContinguousEmploymentAfterCloseOfPeriodEligibility" name="RetentionAgreementsRequiringTermOfContinguousEmploymentAfterCloseOfPeriodEligibility" nillable="true" type="xbrli:durationType">
  <!-- Substitution Group -->
  <xbrli:durationType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:durationType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
  <xbrli:durationType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" abstract="true" />
  <xbrli:durationType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_RetentionAgreementsAcquiringTerminalsOnRequiringTermOfContinguousEmploymentAfterCloseOfPeriodEligibility" name="RetentionAgreementsAcquiringTerminalsOnRequiringTermOfContinguousEmploymentAfterCloseOfPeriodEligibility" nillable="true" type="xbrli:durationType">
  <!-- Substitution Group -->
  <xbrli:durationType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:durationType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
  <xbrli:durationType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" abstract="true" />
  <xbrli:durationType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_AcceleratedAmortizationOfDebtIssuanceAndDebtDiscountCostsParticipalDebtRepayment" name="AcceleratedAmortizationOfDebtIssuanceAndDebtDiscountCostsParticipalDebtRepayment" nillable="true" type="xbrli:monetaryPeriodType">
  <!-- Substitution Group -->
  <xbrli:monetaryPeriodType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:monetaryPeriodType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_CashPerformanceUnitAwardsPaymentAxiS" name="CashPerformanceUnitAwardsPaymentAxiS" nillable="true" type="string">
  <!-- Substitution Group -->
  <xbrli:stringType id="dimensionalItem" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" abstract="true" />
  <xbrli:stringType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
</element>
<element id="hw_CashPerformanceUnitAwardsPaymentDomain" name="CashPerformanceUnitAwardsPaymentDomain" nillable="true" type="nonnum: domainType">
  <!-- Substitution Group -->
  <xbrli:domainType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:domainType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_CashPerformanceUnitAwardsTrancheOneMember" name="CashPerformanceUnitAwardsTrancheOneMember" nillable="true" type="nonnum: domainType">
  <!-- Substitution Group -->
  <xbrli:domainType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:domainType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_CashPerformanceUnitAwardsTrancheTwoMember" name="CashPerformanceUnitAwardsTrancheTwoMember" nillable="true" type="nonnum: domainType">
  <!-- Substitution Group -->
  <xbrli:domainType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:domainType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_CashPerformanceUnitAwards2017GrantsMember" name="CashPerformanceUnitAwards2017GrantsMember" nillable="true" type="nonnum: domainType">
  <!-- Substitution Group -->
  <xbrli:domainType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:domainType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_PercentageOfPerformanceUnitAwardPaymentsDue" name="PercentageOfPerformanceUnitAwardPaymentsDue" nillable="true" type="num: percentItemType">
  <!-- Substitution Group -->
  <xbrli:percentItemType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:percentItemType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_WindowsCompanyMember" name="WindowsCompanyMember" nillable="true" type="nonnum: domainType">
  <!-- Substitution Group -->
  <xbrli:domainType id="duration" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" />
  <xbrli:domainType id="balance" xmlns:xbrli="http://www.w3.org/2001/XMLSchema" type="xbrli:durationType" />
</element>
<element id="hw_LossOf EnjoymentOfPropertyMember" name="LossOf EnjoymentOfPropertyMember" nillable="true" type=""/>

```

hw-20170331

```
name="LossOfEnj oyementOfPropertyMember" nullable="true" type="nonnum: domainItemType"
substitutionGroup="xbrl:i:item" abstract="true" xbrl:i:periodType="duration"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_Empl oyeeOwnedCompanyMember" name="Empl oyeeOwnedCompanyMember"
nullable="true" type="nonnum: domainItemType" substitutionGroup="xbrl:i:item"
abstract="true" xbrl:i:periodType="duration" xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_PaymentsOfDeferredConsi derati onDueForPreviousAcqui si ti on"
name="PaymentsOfDeferredConsi derati onDueForPreviousAcqui si ti on" nullable="true"
type="xbrl:i:monetaryItemType" substitutionGroup="xbrl:i:item"
xbrl:i:periodType="duration" xbrl:i:balance="credit"
xml ns="http://www.w3.org/2001/XMLSchema" />
<element id="hw_AdjustmentForPaymentsOfFinanceDeducti ongDebtExti ngui shmentCosts"
name="AdjustmentForPaymentsOfFinanceDeducti ongDebtExti ngui shmentCosts" nullable="true"
type="xbrl:i:monetaryItemType" substitutionGroup="xbrl:i:item"
xbrl:i:periodType="duration" xbrl:i:balance="debit"
xml ns="http://www.w3.org/2001/XMLSchema" />
</xsd:schema>
```