# Green Power Solutions - Content Implementation Task Dependencies

## Project Overview

Transform four detailed content plans (18,500+ total words) into publication-ready web content through coordinated specialist agent implementation.

## Task Dependency Graph

### Foundation Phase Tasks (Days 1-2)

#### TASK-001: Technical Terminology Standardization

**Agent**: Lead Content Orchestrator + All Specialists

**Duration**: 1 day

**Dependencies**: None

**Deliverable**: Unified technical glossary across all pillars

**Success Criteria**: Consistent terminology alignment verified

#### TASK-002: Brand Voice Framework Establishment

**Agent**: Lead Content Orchestrator + Quality Controller

**Duration**: 1 day

**Dependencies**: None

**Deliverable**: Brand voice consistency guidelines and templates

**Success Criteria**: Voice framework approved by all specialists

#### TASK-003: Quality Control Template Creation

**Agent**: Quality Controller

**Duration**: 1 day

**Dependencies**: None

**Deliverable**: SOP compliance checklists and review templates

**Success Criteria**: Quality gate templates validated and approved

#### TASK-004: Cross-Pillar Integration Framework

**Agent**: Integration Specialist + Lead Orchestrator

**Duration**: 1 day

**Dependencies**: TASK-001

**Deliverable**: Integration element specifications and customer journey mapping

**Success Criteria**: Integration framework approved by technical specialists

### Primary Content Creation Phase (Days 3-10)

#### TASK-005: Generator Pillar Content Creation

**Agent**: Generator Content Specialist

**Duration**: 3 days

**Dependencies**: TASK-001, TASK-002

**Deliverable**: Generator pillar page content (4,500+ words, 80% complete)

**Success Criteria**: Technical accuracy verified, biodiesel specifications confirmed

#### TASK-006: Load Bank Testing Content Creation

**Agent**: Load Bank Testing Content Specialist

**Duration**: 3 days

**Dependencies**: TASK-001, TASK-002, TASK-005 (partial - for generator integration)

**Deliverable**: Load bank testing pillar content (4,600+ words, 80% complete)

**Success Criteria**: Testing methodologies validated, generator integration confirmed

#### TASK-007: First Technical Accuracy Review

**Agent**: Quality Controller + Generator Specialist + Load Bank Specialist

**Duration**: 1 day

**Dependencies**: TASK-005, TASK-006

**Deliverable**: Technical accuracy verification report (Gate 1)

**Success Criteria**: Technical specifications validated, compliance confirmed

#### TASK-008: Hybrid Lighting Content Creation

**Agent**: Hybrid Lighting Content Specialist

**Duration**: 3 days

**Dependencies**: TASK-001, TASK-002, TASK-005 (for generator integration)

**Deliverable**: Hybrid lighting pillar content (4,600+ words, 80% complete)

**Success Criteria**: Solar-diesel integration verified, fuel savings calculations confirmed

#### TASK-009: SOP Compliance Review (First Batch)

**Agent**: Quality Controller

**Duration**: 1 day

**Dependencies**: TASK-005, TASK-006, TASK-008

**Deliverable**: SOP compliance verification report (Gate 2 - Partial)

**Success Criteria**: Citation compliance verified, Australian English confirmed

#### TASK-010: Tank Storage Content Creation

**Agent**: Tank Storage Content Specialist

**Duration**: 3 days

**Dependencies**: TASK-001, TASK-002, TASK-004, TASK-005 (for generator integration)

**Deliverable**: Tank storage pillar content (4,800+ words, 80% complete)

**Success Criteria**: Safety compliance verified, integration systems confirmed

### Integration & Schema Phase (Days 9-14)

#### TASK-011: Schema Markup Development

**Agent**: Schema & SEO Implementation Specialist

**Duration**: 3 days

**Dependencies**: TASK-005, TASK-006, TASK-008, TASK-010

**Deliverable**: Complete schema markup for all four pillars

**Success Criteria**: Schema validates, AI optimization requirements fulfilled

#### TASK-012: Cross-Pillar Integration Implementation

**Agent**: Cross-Pillar Integration Specialist

**Duration**: 4 days

**Dependencies**: TASK-004, TASK-005, TASK-006, TASK-008, TASK-010

**Deliverable**: Integration elements implemented across all pillars

**Success Criteria**: Customer journey flows validated, cross-references accurate

#### TASK-013: Complete Technical Accuracy Review

**Agent**: Quality Controller + All Content Specialists

**Duration**: 2 days

**Dependencies**: TASK-005, TASK-006, TASK-008, TASK-010, TASK-012

**Deliverable**: Final technical accuracy verification (Gate 1 - Complete)

**Success Criteria**: All specifications validated, cross-pillar consistency confirmed

#### TASK-014: Complete SOP Compliance Review

**Agent**: Quality Controller + Lead Orchestrator

**Duration**: 2 days

**Dependencies**: TASK-011, TASK-012, TASK-013

**Deliverable**: Final SOP compliance verification (Gate 2 - Complete)

**Success Criteria**: All citations verified, brand voice consistency confirmed

#### TASK-015: Publication Readiness Assessment

**Agent**: Lead Content Orchestrator + All Specialists

**Duration**: 1 day

**Dependencies**: TASK-011, TASK-012, TASK-013, TASK-014

**Deliverable**: Complete publication readiness verification (Gate 3)

**Success Criteria**: Unanimous approval from all specialists, web development ready

### Final Documentation Phase (Day 14)

#### TASK-016: Web Development Handoff Documentation

**Agent**: Lead Content Orchestrator + Schema Specialist

**Duration**: 0.5 days

**Dependencies**: TASK-015

**Deliverable**: Complete technical specifications for web development

**Success Criteria**: Developer handoff requirements fulfilled

#### TASK-017: Content Maintenance Protocol Creation

**Agent**: Quality Controller + Lead Orchestrator

**Duration**: 0.5 days

**Dependencies**: TASK-015

**Deliverable**: Ongoing maintenance and update protocols

**Success Criteria**: Maintenance standards established, quality assurance protocols defined

## Critical Path Analysis

**Primary Critical Path**: TASK-001 → TASK-005 → TASK-012 → TASK-015

**Duration**: 11 days (with 3-day buffer for quality assurance)

**Secondary Critical Path**: TASK-003 → TASK-007 → TASK-013 → TASK-015

**Quality Assurance Path**: Continuous throughout implementation

## Resource Allocation

### Full-Time Allocation (14 days)

* Lead Content Orchestrator
* Quality Controller

### Primary Phase Allocation (8 days)

* Generator Content Specialist (Days 3-5, 11-12)
* Hybrid Lighting Content Specialist (Days 6-8, 11-12)
* Tank Storage Content Specialist (Days 8-10, 12-13)
* Load Bank Testing Content Specialist (Days 4-6, 11-12)

### Integration Phase Allocation (6 days)

* Schema & SEO Implementation Specialist (Days 9-14)
* Cross-Pillar Integration Specialist (Days 7-14)

## Risk Mitigation

### Technical Accuracy Risks

**Mitigation**: Continuous quality controller oversight, daily stand-up protocols

**Contingency**: Additional technical specialist consultation available

### Timeline Risks

**Mitigation**: 3-day buffer built into critical path

**Contingency**: Parallel processing of non-dependent tasks

### Consistency Risks

**Mitigation**: Daily cross-pillar consistency reviews, standardized terminology framework

**Contingency**: Integration specialist continuous monitoring

## Success Metrics

* **Content Completion**: 4 pillar pages, 18,500+ words total
* **Technical Accuracy**: 100% specification verification
* **SOP Compliance**: 100% citation and quality standards
* **Cross-Pillar Consistency**: 95%+ consistency score
* **Publication Readiness**: Unanimous specialist approval

**Project Completion Criteria**: All tasks completed successfully with unanimous Gate 3 approval